

J. PHILLIP CARVER  
General Attorney

BellSouth Telecommunications, Inc.  
150 South Monroe Street  
Room 400  
Tallahassee, Florida 32301  
(404) 335-0710

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RECORDS AND  
REPORTING

August 3, 1998

Mrs. Blanca S. Bayó  
Director, Division of Records and Reporting  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, FL 32399-0850

Re: Docket No. 980281-TP

Dear Ms. Bayó:

Enclosed are an original and fifteen copies of BellSouth Telecommunication, Inc.'s Responses to the requests for Late-Filed Deposition Exhibits made by Staff during the deposition of William Stacy (Exhibit Nos. 2 and 3). Exhibit No. 3 contains the requested documents as well as an explanation of the content of these documents. The narrative response to Exhibit Request No. 3 does not have the requested explanation of how the documents can be compared to demonstrate parity. This portion of the response has not been completed. Still, given the shortness of the time before the hearing, we elected to send the partial response in order to allow Staff time to review the documents before the hearing. To the extent there is any additional explanation necessary, we will do our best to transmit it at the beginning of next week.

A copy of this letter is enclosed. Please mark it to indicate that the original was filed and return the copy to me. Copies have been served to the parties shown on the attached Certificate of Service.

Sincerely,

*J. Phillip Carver* (cc)

J. Phillip Carver

Enclosures

cc: All parties of record  
A. M. Lombardo  
R. G. Beatty  
William J. Ellenberg II

- ACK \_\_\_\_\_
- AFA \_\_\_\_\_
- APP \_\_\_\_\_
- CAF \_\_\_\_\_
- CMU Stavany
- CTR \_\_\_\_\_
- EAG \_\_\_\_\_
- LEG +
- LIN 5
- OPC \_\_\_\_\_
- RCH \_\_\_\_\_
- SEC 1
- WAS \_\_\_\_\_
- OTH \_\_\_\_\_

DOCUMENT NUMBER-DATE

08196 AUG-3 88

FPSC-RECORDS/REPORTING

**CERTIFICATE OF SERVICE**  
**Docket No. 980281-TP**

I HEREBY CERTIFY that a true and correct copy of the foregoing was served  
via Federal Express this 31st day of July, 1998 to the following:

Catherine Bedell  
Legal Counsel  
Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, FL 32399-0850  
Tel. No. (850) 413-6197  
Fax. No. (850) 413-6250

Hopping Law Firm  
Richard Melson  
P.O. Box 6526  
123 South Calhoun Street  
Tallahassee, FL 32314  
Tel. No. (850) 222-7500  
Fax. No. (850) 224-8551

MCI Metro Access Transmission  
Services, Inc.  
Dulaney L. O'Roark III  
780 Johnson Ferry Road  
Suite 700  
Atlanta, GA 30342  
Tel. No. (404) 267-5789  
Fax. No. (404) 267-5992

  
J. Phillip Carver

BellSouth Telecommunications, Inc.  
FPSC Docket No. 980281-TP  
Stacy Deposition Late Filed  
Exhibit WNS-1  
July 21, 1998  
Page 1 of 42

**REQUEST:**

Provide copy of Georgia order adopting OSS Report

**RESPONSE:**

Attached is copy of Georgia order in Docket No. 8354-U adopting OSS Report

DOCUMENT NUMBER-DATE  
08196 AUG-3 88  
FPSC-RECORDS/REPORTING

BellSouth Telecommunications, Inc.  
FPSC Docket No. 980281-TP  
Stacy Deposition Late Filed  
Exhibit WNS-1  
July 21, 1998  
Page 2 of 42



**COMMISSIONERS:**

DAVID N. BAKER  
ROBERT E. (BOBBY) BAKER  
BOB DURDEN  
STAN WISE

Order Book  
**DOCKET# 8354**  
**DOCUMENT# 23378**

DEBORAH K. FLANNAGAN  
EXECUTIVE DIRECTOR

**Georgia Public Service Commission**

47 TRINITY AVENUE, S.W.  
ATLANTA, GEORGIA 30334-8701  
(404) 656-4801 OR 1 (800) 282-5813  
FAX: (404) 656-2341 www.psc.state.ga.us

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JUN 04 1998

EXECUTIVE SECRETARY  
G.P.S.C.

Docket No. 8354-U

**ORDER ADOPTING OSS REPORT**

**In re: Investigation into Development of Electronic Interfaces for BellSouth's  
Operations Support Systems**

Record Submitted: March 20, 1998

Date Decided: April 21, 1998

**APPEARANCES**

**On behalf of the Commission Staff:**

Tiane Sommer, Special Assistant Attorney General  
Stacey Ferris-Smith, Assistant Attorney General

**On behalf of the Consumers' Utility Counsel:**

Kennard Woods, Staff Attorney

**On behalf of BellSouth Telecommunications, Inc.:**

Fred McCallum, Attorney  
William J. Ellenberg, Attorney  
Lisa Spooner, Attorney

**On behalf of American Communications Services of Columbus, Inc. and  
Cable Television Association of Georgia:**

L. Craig Dowdy, Attorney  
William Rice, Attorney

**On behalf of AT&T Communications of the Southern States, Inc.:**

David Eppsteiner, Attorney  
Laureen McGurk Seeger, Attorney  
Michael Hopkins, Attorney

On behalf of MCI Telecommunications Corporation:

Dulaney L. O'Roark, Attorney  
David I. Adelman, Attorney  
Richard Melson, Attorney

On behalf of Intermedia Communications, Inc.:

Patrick K. Wiggins, Attorney

On behalf of Sprint Communications Company, L.P.:

William Atkinson, Attorney  
Carolyn Roddy, Attorney

On behalf of LCI International Telecom Corp.:

Judith Holiber, Attorney

On behalf of MGC Communications, Inc.:

Peyton S. Hawes, Jr., Attorney  
Marilyn Ash, Attorney

**BY THE COMMISSION:**

The Georgia Public Service Commission ("Commission") issues this Order regarding the operations support systems ("OSS") of BellSouth Telecommunications, Inc. ("BellSouth"). The Commission established this case to discuss and propose any necessary enhancements to BellSouth's operations support systems which will aid entry by competitive local exchange companies ("CLECs") into the local market, and to ensure that the systems meet the spirit and the intent of the Telecommunications Act of 1996.

In its October 30, 1997 Order in Docket No. 7253-U, the Commission directed the Staff to conduct a Technical Workshop and to subsequently submit a report to the Commission.<sup>1</sup> The Staff submitted the report on December 23, 1997 as directed by the Commission. BellSouth and intervenors expressed their positions regarding the Staff Report. As a result, the Commission decided to hold a hearing to determine whether to adopt the Staff Report, which was presented as GPSC Staff Exhibit 1 in the hearing, and attached as Appendix A to this Order.

**I. JURISDICTION AND BACKGROUND**

The federal Telecommunications Act of 1996, which amended the Communications Act of 1934, imposes various duties on incumbent local exchange

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<sup>1</sup> GPSC Docket No. 7253-U relates to the Commission's review of BellSouth's Statement of Generally Available Terms and Conditions pursuant to Section 252(f) of the Telecommunications Act of 1996. The Commission affirmed its directive, and made explicit reference to this docket, in its January 15, 1998 Order Regarding Revised Statement, Docket No. 7253-U, at p. 29 & n. 36.

companies ("LECs") to enable new competitors to enter the local market without necessarily having to build redundant physical networks. These duties include, among other things, the duties to provide new entrants with access to unbundled elements of the incumbents' networks, and to offer to new entrants at wholesale rates any telecommunications service provided by the incumbents on a retail basis. See 47 U.S.C. § 251(c)(3), (4).

Pursuant to Section 251 of the Act, 47 U.S.C. § 251, the Federal Communications Commission ("FCC") evaluated operations support systems in its *Local Competition First Report and Order*.<sup>2</sup> The FCC determined that, because OSS includes the information necessary to obtain other network elements or resold services, providing access to OSS functions falls squarely within an incumbent LEC's duty under Section 251(c)(3) to provide unbundled network elements under terms and conditions that are nondiscriminatory and just and reasonable, and its duty under Section 251(c)(4) to offer resale services without imposing any limitations or conditions that are discriminatory or unreasonable. The FCC additionally identified OSS itself as a network element and stated that it consists of five functions: (1) pre-ordering; (2) ordering; (3) provisioning; (4) maintenance and repair; and (5) billing.<sup>3</sup> For purposes of this docket, this Commission has considered some provisioning issues under the topic of ordering; other provisioning issues have been addressed in the Commission's separate proceeding on performance measurements, GPSC Docket No. 7892-U.

An incumbent LEC such as BellSouth uses OSS to provide services to its end user (retail) customers. The term OSS refers to the computer systems, databases, and personnel functions that incumbent LECs use for many internal operations necessary to provide service. Competitive LECs ("CLECs") must be able to access the incumbent's OSS in various ways. For example, CLECs must be able to access data necessary to sign up customers, to place orders for services or facilities provided by the incumbent, track the progress of that order to completion, receive relevant billing information from the incumbent, and obtain prompt repair and maintenance for the elements and services they obtain from the incumbent. CLECs must also be able to obtain the information and training necessary to make effective use of their access to the incumbents' OSS.

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<sup>2</sup> *Implementation of the Local Competition Provisions in the Telecommunications Act of 1996*, CC Docket No. 96-98, First Report and Order, 11 FCC Rcd 15499 ("Local Competition First Report and Order"), *aff'd in part and vacated in part sub nom. Competitive Telecommunications Ass'n v. FCC*, 117 F.3d 1068 (8<sup>th</sup> Cir. 1997) and *Iowa Utilities Bd. v. FCC*, 120 F.3d 753 (8<sup>th</sup> Cir. 1997), *writ of mandamus issued sub nom. Iowa Utilities Bd. v. FCC*, No. 96-3321 (8<sup>th</sup> Cir. Jan. 22, 1998), *petition for cert. granted*, Nos. 97-826, 97-829, 97-830, 97-831, 97-1075, 97-1087, 97-1099, and 97-1141 (U.S. Jan. 26, 1998) (collectively, *Iowa Utils. Bd.*), Order on Reconsideration, 11 FCC Rcd 13042 (1996), Second Order on Reconsideration, 11 FCC Rcd 19738 (1996), Third Order on Reconsideration and Further Notice of Proposed Rulemaking, FCC 97-295 (rel. Aug. 18, 1997), *further recons. pending*.

<sup>3</sup> *Local Competition First Report and Order*, 11 FCC Rcd at 15660-61, 15763, ¶¶ 316, 516-17; 47 C.F.R. § 51.319(f). The Eighth Circuit Court of Appeals upheld the FCC's determination that OSS is an unbundled network element. *Iowa Utilities Bd.*, 120 F.3d at 809.

The OSS functions include functions provided by the incumbent's databases, computer systems, and personnel. The databases contain information, such as the types of telecommunications services available to customers, address validation, telephone number availability, available dates for service installation, and other information necessary to formulate and process a customer's order for service. Various systems and databases have also been developed to resolve customer complaints about service, to handle maintenance and repair, and to ensure accurate and timely billing.

Georgia's Telecommunications and Competition Development Act of 1995 was a precursor to the federal requirements, and it also mandated opening the local exchange markets to competition with obligations imposed upon the incumbent LECs. Thus the Commission's actions in this docket also serve to meet relevant requirements in the Georgia Act. For example, all LECs must permit reasonable interconnection with other LECs; and this includes all or portions of such services as needed to provide local exchange services. O.C.G.A. § 46-5-164(a). Such interconnection services shall be provided for intrastate services on an unbundled basis similar to that required by the FCC<sup>4</sup> for services under the FCC's jurisdiction, O.C.G.A. § 46-5-164(d). Once the Commission has authorized resale of services (as in the case of BellSouth in Docket No. 6352-U), the Commission shall determine the reasonable conditions such that no LEC or telecommunications company gains an unfair market position. O.C.G.A. § 46-5-164(e). The Commission has the authority to require LECs to provide additional interconnection services and unbundling. O.C.G.A. § 46-5-164(g).

As evidenced in previous proceedings before this Commission,<sup>5</sup> BellSouth has already made progress in developing electronic interfaces for CLECs to access its OSS. The Commission recognizes that this is a substantial and evolutionary undertaking that is vital to the development of competition in Georgia's local exchange market. The Commission has not limited itself to a strict analysis or application of the so-called "parity" requirements of Sections 251 and 271 of the federal Act. The Commission does not intend that its decision in this docket be rigidly applied as part of any determination whether BellSouth has met particular requirements of Sections 251 and 271. Instead, the Commission in this docket has focused upon the practical aspects of meeting the spirit and intent of the Act in general, and in particular the identification of any necessary enhancements to BellSouth's OSS which will aid entry by CLECs into the local market.

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4 The Commission notes that the FCC has established a proceeding that includes OSS issues, *In the Matter of Performance Measurements and Reporting Requirements for Operations Support Systems, Interconnection, and Operator Services and Directory Assistance*, CC Docket No. 98-56, RM-9101. The FCC recently issued a Notice of Proposed Rulemaking in that proceeding (adopted April 16, 1998, released April 17, 1998).

5 See GPSC Docket No. 6352-U (discounts for resale of BellSouth services), wherein the parties and the Commission initially addressed electronic interfaces for access to OSS relevant to resale; and the consolidated Dockets No. 6863-U/7253-U (relating to BellSouth's potential application for Section 271 interLATA authority, and BellSouth's Statement of Generally Available Terms and Conditions, respectively). See also GPSC Docket No. 7061-U (setting cost-based rates for BellSouth's interconnection and unbundled network elements and related items, including use of OSS), and Docket No. 7892-U (regarding performance measurements for BellSouth).

## **II. STATEMENT OF PROCEEDINGS**

The Commission established this proceeding by its October 30, 1997 Interim Order in Docket No. 7253-U. The Staff issued the first Notice of Technical Workshop Schedule on November 14, 1997, which was sent by first-class mail and where possible by facsimile to the parties in GPSC Dockets No. 6863-U/7253-U (Section 271 & SGAT), 7061-U (interconnection and unbundled network elements cost proceeding), and 7892-U (performance standards docket). The schedule set November 20, 1997 as the date for technical comments by companies such as CLECs having an interest in using BellSouth's electronic interfaces in Georgia; December 2, 1997 as the date for BellSouth's response; and December 9-10 as the dates for the Technical Workshop.

The following parties filed comments on November 20, 1997: American Communications Services, Inc. ("ACSI"), AT&T Communications of the Southern States, Inc. ("AT&T"), Intermedia Communications, Inc. ("ICI"), LCI International Telecom Corp. and its affiliates ("LCI"), MCI Telecommunications, Inc. ("MCI"), and Sprint Communications Company, L.P. ("Sprint"). On December 2, 1997, BellSouth filed a set of responses to the technical issues raised in the prefiled comments. On December 4, 1997, the Staff issued a detailed Agenda Notice for the Technical Workshop with an attached Matrix summarizing the technical issues raised in the prefiled comments. This Agenda Notice with Matrix was sent to those parties who prefiled comments and intervention notices in this docket, and to all persons who received the original Notice of the Technical Workshop. The workshop was held on December 9-10, 1997, in the hearing room of the Commission's offices, Room 507-12, at 47 Trinity Avenue in Atlanta.

The Staff prepared a Matrix of the technical issues based upon the prefiled comments, and this Matrix formed the foundation and format for the workshop discussions, proposed solutions, and proposed implementation dates. The Matrix grouped the issues into the following five topic categories:

- |                 |   |
|-----------------|---|
| Topic Number 1: | Pre-Ordering  |
| Topic Number 2: | Maintenance and Repair                                    |
| Topic Number 3: | Ordering & Provisioning                                   |
| Topic Number 4: | Billing   |
| Topic Number 5: | General (including provision of information and training) |

The Staff subsequently filed its Report regarding the OSS Technical Workshop on December 23, 1997, including in the Matrix format both proposed solutions and implementation time frames for the issues within these five topics. As part of the recommendations contained in the Report, the Staff requested that the Commission consider accepting the Staff Report and its proposed procedures at its Administrative Session on January 20, 1998. Pursuant to the recommended procedures, BellSouth filed its responses to the Report on January 9, 1998, agreeing with many of the



recommendations but disagreeing or offering different implementation deadlines as to other aspects of the solutions proposed in the Staff Report. BellSouth filed a revised response on January 14, 1998. AT&T filed a response to the Staff Report on January 13, 1998. On January 20, 1998, the Commission considered the Staff Report along with the comments filed by BellSouth and AT&T, and decided to establish a date for comments from other interested parties. Pursuant to the Commission's Order setting January 27, 1998 as a date for objections to the Staff Report, additional responses were filed on that date by ACSI, BellSouth, Intermedia, MCI, and Sprint.

On February 6, 1998, the Commission issued a *Procedural and Scheduling Order* establishing a hearing process through which to resolve certain matters pertaining to the provision by BellSouth of access to its Operations Support System for CLECs, and specifically, whether to adopt the recommendations presented in the Staff Report. The Commission also ordered that a pre-hearing conference be conducted by Hearing Officer Philip J. Smith of the Commission Staff on February 13, 1998 in the Commission's hearing room. The purpose of the pre-hearing conference was to determine whether the number of issues identified by the Commission Staff in its Report could be pared.

Pursuant to the Commission's directive, the Hearing Officer conducted the pre-hearing conference and filed the results on February 16, 1998. The following parties were recognized as having intervened: ACSI, AT&T, BellSouth, the Consumers' Utility Counsel Division of the Governor's Office of Consumer Affairs ("CUC"), ICI, LCI, Low Tech Designs, Inc. ("LTD"), MCI, MGC Communications ("MGC"), NEXTLink, Powertel, and Sprint. The Commission Staff also participated in the case, including the pre-hearing conference.

The pre-hearing conference showed that most of the issues identified by the Commission Staff, and the solutions and implementation time frames proposed by the Commission Staff, remained as issues for at least some of the parties. Some of the parties at the pre-hearing conference indicated dissatisfaction with the proposed solutions recommended by the Staff or with the alternative solutions, where applicable, proposed by BellSouth. No party objected to this scope of the issues for the hearings scheduled March 18-19, 1998.

On March 5, 1998, the Commission issued a *Supplemental Procedural and Scheduling Order* altering the schedule to include two additional days of March 20 and 23, 1998. The hearing was held March 18-20, 1998. Briefs were filed by the Commission Staff and the parties on March 30, 1998.

### **III. DISCUSSION OF THE ITEMS BELLSOUTH CHALLENGED**

The Commission Staff presented the Staff Report and testified that the recommendations contained therein were based upon industry consensus where possible. Where there was no apparent consensus, the Staff developed reasonable compromises based upon the Staff's professional judgment, taking into account the comments and

information submitted by the parties.<sup>6</sup> The Staff expressed strong belief that the Report is accurate and correct and will aid CLEC entry into the local market.

BellSouth raised objections to certain proposed solutions as recommended by the Commission Staff in its report filed December 23, 1997. These will be discussed in turn in the following sections. For each of these items, the "potential issue" identified in the Commission Staff's Report (Appendix A hereto) is shown along with the accompanying proposed solution from the Staff Report, followed by a brief discussion.

#### A. Pre-Ordering

The pre-ordering OSS function allows a CLEC to gather and confirm information necessary to place an accurate order for its end use customer. In general, pre-ordering consists of several functions including street address validation, telephone number reservation, feature availability, service availability, due date information, and customer service records. Like BellSouth, many CLECs retrieve pre-ordering information from BellSouth's databases while a customer is on the line. Therefore timely access to pre-ordering information is critical to a CLEC's ability to enter and compete in the local exchange market. Similarly, the CLEC must be able to incorporate the relevant pre-ordering information into an order both quickly and accurately.

##### Item 1.d.

*Issue: Human to machine interface requires dual entry of information.*

*Solution: Proposed API interface will alleviate many of these problems.*

BellSouth provides a proprietary terminal-type interface called Local Exchange Navigation System ("LENS"), and offers it as a system predominantly for access to pre-ordering OSS functions.<sup>7</sup> LENS also includes ordering functions, but these functions are less well developed. LENS is a Graphic User Interface or "GUI"-based<sup>8</sup> interface that allows a CLEC to use a browser software program to retrieve information from a BellSouth server on a real-time basis. Competing carriers can connect to LENS through dedicated local area network (LAN-to-LAN) connections, through dial-up connections, or through the public Internet.

Much attention has been focused on further development of Electronic Data Interchange or "EDI"-based<sup>9</sup> interfaces. BellSouth offers EDI as a system predominantly

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<sup>6</sup> Staff Direct at 8.

<sup>7</sup> BellSouth witness Stacy, Tr. 87; BellSouth Brief at 2.

<sup>8</sup> GUI-based interfaces are widely recognized as much easier for people to use because they employ graphics (e.g., icons) rather than relying solely upon rote usage of typed verbal commands. Virtually all modern software programs, especially for consumers and small business users, are GUI-based.

<sup>9</sup> The EDI standard is defined by the Telecommunications Industry Forum. See *Local Competition First Report and Order*, 11 FCC Rcd at 15761, ¶ 513, n. 1238.

for access to ordering OSS functions.<sup>10</sup> This has engendered contention between BellSouth and CLECs who argue, among other things, that BellSouth has not done enough to provide a seamless interface that minimizes human intervention for pre-ordering and ordering functions. For example, CLECs must "cut and paste" information from LENS (a pre-ordering interface) to EDI (an ordering interface), while BellSouth is able to automatically bring up a Customer Service Record ("CSR"), and the CSR information is populated into the order.<sup>11</sup> Integration of the pre-ordering functions with the ordering functions of either BellSouth's or the CLEC's OSS is important because it minimizes manual processes that add costs, delays, and errors.<sup>12</sup>

The Staff determined and stated in the Staff Report that the Application Program Interface ("API"), as presented and discussed by BellSouth and the other parties at the Technical Workshop, is a start in the right direction to resolving the human to machine interface problem. API will enable greater integration of the pre-ordering and ordering functions. A lack of integration engenders errors, is costly, and ultimately affects the end user customers. An integrated pre-ordering/ordering system eliminates the need for re-keying information, so that whichever company uses it - BellSouth for its internal ("legacy") systems, or CLECs for the new interfaces - can enter information once and then transfer the information electronically from one system to another.

BellSouth's proposed API Gateway will provide a pre-ordering interface and an ordering interface, which will both be machine-to-machine, use a common protocol, and therefore will be easily integrated with the CLECs' own OSS. Among the benefits of API will be less need for dual entry of information into the systems. The current need for dual entry, and hence the additional human intervention, also results in unduly high fallout rates in which orders are not accurately processed. Based upon the comments and information provided by the parties, the Staff stated that the proposed API interface will alleviate many of the problems indicated by the parties.<sup>13</sup>

BellSouth's objection was that other methods are already available for CLECs to integrate pre-ordering and ordering functionality, and to integrate this functionality with their own customer service and billing records, eliminating any need for dual entry of data. For example, BellSouth provided an updated CGI-LENS<sup>14</sup> specification (Stacy's Ex. WNS-1) to MCI on December 15, 1997.<sup>15</sup> BellSouth also made EC-Lite, a machine-to-machine pre-ordering interface, available on December 30, 1997. According to

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10 BellSouth witness Stacy, Tr. 87; BellSouth Brief at 2. For interested CLECs, BellSouth has made available the EDI-PC Harbinger software and training manual, as one way to use an EDI interface on a personal computer ("PC") system. BellSouth also offers the Exchange Access Control and Tracking ("EXACT") interface as a system primarily for ordering functions.

11 See Sprint Comments, November 21, 1997; and Sprint Comments Regarding Staff Report, January 27, 1998.

12 Tr. 545.

13 Commission Staff testimony at 7-8; Commission Staff Ex. 1 (Matrix p. 1).

14 The term "CGI-LENS" refers to BellSouth's Common Gateway Interface ("CGI") to its Local Exchange Navigation System ("LENS"). Stacy Direct at 10.

15 Stacy Direct at 4-5.

BellSouth, CLECs can integrate EC-Lite with EDI and/or with their own OSS.<sup>16</sup> However, these approaches suggested by BellSouth impose upon CLECs the burden of attempting to perform the integration of the pre-ordering systems (CGI-LENS or EC-Lite) with ordering systems. This is exacerbated by the fact that the interfaces and the associated software, specifications, and manuals are revised from time to time. In addition, this is especially burdensome for the smaller CLECs.

Further, the LENS-CGI specification does not have all of the required information to enable a CLEC to perform the necessary development effort for integration, and BellSouth has not kept that specification current.<sup>17</sup> In addition, BellSouth's LENS-CGI specification requires the use of an underlying Hyper Text Markup Language ("HTML") presentation as part of the data delivery mechanism, and this forces CLECs into a slower, less efficient integration than is available to BellSouth for its comparable retail operations.<sup>18</sup>

BellSouth stated that the API is simply another form for providing the same pre-ordering and ordering functions provided by the other interfaces mentioned above. API does not create any new functionality above that which already exists in those interfaces. The BellSouth Wholesale API gateway will provide a machine-to-machine interface between BellSouth's back office systems and CLECs.<sup>19</sup> The point is not, however, whether API will create a new functionality, but whether API will mitigate the integration problems and help to resolve the problems experienced due to dual entry or re-keying of information. As BellSouth stated, API will provide the pre-ordering and ordering functions previously provided by separate interfaces. This represents a significant step forward.

The development of API will generally alleviate many of the concerns raised by CLECs in this proceeding. BellSouth has agreed to develop API, and the CLECs have voiced interest in API throughout this case. API is based on one of the two industry standards for pre-ordering identified by the Electronic Communication Implementation Committee ("ECIC"). It also uses Common Object Request Brokering Architecture ("CORBA") as its base software technology.<sup>20</sup> CORBA is a very popular and widely used software technology outside of the telecommunications industry. Consequently, personnel skilled in CORBA are more readily available, which makes CORBA software less expensive to develop and maintain, and increases the probability and speed of technological advancements.<sup>21</sup>

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16 Stacy Direct at 5.

17 Tr. 547; 715-17, 724-25.

18 HTML presentation forces CLECs to proceed through each of the LENS presentation screens, rather than being able to use the data independently of the screens as the initial CGI proposal would have allowed. AT&T Brief at 9.

19 Stacy Direct at 10.

20 Tr. 591-93; 621.

21 Tr. 622.

The implementation date Staff proposed in the Report is by December 31, 1998, which is based upon BellSouth's projection of the length of time needed to contract with a vendor, conduct testing, and make API available. While it is possible that API may be on-line and available by September or October, 1998, it is important to allow sufficient time for testing to ensure that the interface will be as reliable as possible. Moreover, the CLECs should have an opportunity to provide their input at the development and testing stages, to ensure that the functionalities they need are included in the API interface. The proposed implementation date allows reasonable time for these efforts. The Commission agrees that it is reasonable to allow December 31, 1998 as the date by which BellSouth shall develop and test API and make it available for the CLECs' use.

Item 2.b.

*Issue: Rates of services and equipment items displayed on Customer Service Record ("CSR") are not presented in LENS.*

*Solution: BST shall make this information available via fax and electronically through LENS.*

BellSouth began providing rates for products and services to Georgia CLECs via facsimile ("fax") during 1997, as part of the Customer Service Records ("CSRs"). BellSouth then began stripping away the rates of services and equipment items from the CSR when providing the CSR through LENS.<sup>22</sup> This was one of the issues presented by CLECs in this docket. The FCC has also recognized the significance of CSR information as part of the pre-ordering OSS function.<sup>23</sup>

As BellSouth admitted, the rate information is not proprietary.<sup>24</sup> There is a demand for the rate information to be included with the CSRs.<sup>25</sup> This case is focused upon technical concerns, and there is no dispute that including the rate information in CSRs is technically feasible. There is no technical impediment to providing rates on

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22 BellSouth witness Stanley, Tr. 379-80.

23 *In the Matter of Performance Measurements and Reporting Requirements for Operations Support Systems, Interconnection, and Operator Services and Directory Assistance*, CC Docket No. 98-56, RM-9101, Notice of Proposed Rulemaking (FCC 98-72, rel. Apr. 17, 1998) ("*FCC OSS NPRM*"), at ¶ 43, n. 53. The FCC has stated that "although an incumbent carrier is not required to disclose [customer proprietary network information] CPNI pursuant to section 222(d)(1) or section 222(c)(2) absent an affirmative written request, local exchange carriers may need to disclose a customer's service record upon the oral approval of the customer to a competing carrier prior to its commencement of service as part of the LEC's obligations under sections 251(c)(3) and (c)(4)." The FCC also stated that "a carrier's failure to disclose CPNI to a competing carrier that seeks to initiate service to a customer that wishes to subscribe to the competing carrier's service, may well, depending upon the circumstances, constitute an unreasonable practice in violation of section 201(b)." *In the Matter of Implementation of the Telecommunications Act of 1996: Telecommunications Carriers' Use of Customer Proprietary Network Information and Other Customer Information: Implementation of the Non-Accounting Safeguards of Sections 271 and 272 of the Communications Act of 1934, as Amended*, CC Docket No. 96-115 and 96-149, ¶¶ 84-85 (rel. Feb. 26, 1998).

24 Stanley Direct at 3, Tr. 87-88; Tr. 367, 369-70. See also BellSouth Brief at 3.

25 See, e.g., MCI Brief at 9-10.



CSRs.<sup>26</sup> In fact, the rate information is already contained in the CSRs, and BellSouth's proposal is to remove it when providing the CSRs to CLECs.<sup>27</sup> BellSouth's testimony claiming marketing reasons for removing the rate information before passing it through the CSRs was not credible.<sup>28</sup> BellSouth's claim that the rate information becomes proprietary when included in the CSR<sup>29</sup> was not adequately supported, was undermined by the facts that BellSouth had previously provided such information in fax format and that the basic rate information is not proprietary, and was generally not credible. In addition, CLECs cannot randomly browse through the CSRs to locate potential customers because they must obtain explicit customer approval before viewing a CSR.<sup>30</sup>

The Commission concludes that BellSouth should make this information in the CSRs available via fax and electronically<sup>31</sup> (i.e., through LENS and other electronic interfaces) with an implementation date originally set as of January 30, 1998.<sup>32</sup> The Commission notes that the use of fax rather than electronic means (such as through LENS) must be at the option of the CLEC, since some CLECs choose not to use the LENS interface.

Item 3.h.

*Issue: LENS is limited to a maximum of six lines per residence or business request and a maximum of 20 features per line.*

*Solution: The proposed API interface will eliminate these limitations.*

BellSouth is able to reserve 25 telephone numbers per order electronically, but CLECs are limited to six telephone numbers through LENS.<sup>33</sup> LENS has a similar limitation of 20 features per line. This limits the CLECs in the pre-ordering functions, compared with BellSouth's internal pre-ordering capabilities.

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26 This was acknowledged by BellSouth's witnesses Mr. Stacy, Tr. 263, and Mr. Stanley, Tr. 383.

27 Tr. 383.

28 Tr. 383-385.

29 See BellSouth Brief at 3-4.

30 Tr. 369.

31 In addition, pursuant to item 3(b) under the Pre-Ordering section of the OSS Report Matrix, it is the Commission's understanding that BellSouth has made available electronically, via web interface, the information on its promotional offerings. The ability of CLECs to access the promotional offerings information electronically via BellSouth's web pages is another step in compliance with the OSS Report that will aid entry into the local exchange market.

32 As discussed subsequently with respect to implementation dates, this should be implemented immediately with a follow-up report since this date has passed.

33 Tr. 707; MCI Brief at 11. BellSouth witness Mr. Stacy testified that CLECs may reserve 12 numbers "per session" in LENS. (Tr. 119.) Aside from this factual dispute, it is certain that there is a substantial discrepancy in the number of telephone numbers that can be ordered. Mr. Stacy also testified that a CLEC may order 25 telephone numbers through EC-Lite. (Tr. 119.) However, it is not clear that EC-Lite is practically available to CLECs other than AT&T. EC-Lite is a proprietary interface developed by BellSouth for AT&T, has not been adopted as a potential industry standard by the Electronic Communication Interface Committee ("ECIC") (Tr. 211, 704), and it appears that other CLECs do not intend to use that interface (Tr. 717).

The continued development of API, along with input from the parties, should start to alleviate these concerns. In general, API more closely replicates the methods by which BellSouth's own internal OSS interfaces operate than any other interface BellSouth offers to CLECs.<sup>34</sup> Based upon the information provided at the Technical Workshop, the Staff submitted that the proposed API interface will not contain this limitation which is in the LENS interface. The Commission finds that the Staff's recommendation is appropriate and should be adopted. BellSouth should implement the API solution by December 31, 1998.

## **B. Ordering**

### **Item 1.i.**

*Issue: CLEC orders placed through LENS are currently limited to a maximum of six lines per residence or business request, and a maximum of 20 features per line.*

*Solution: Issue addressed in 3.h. of Pre-Ordering (the proposed API interface will eliminate these limitations).*

This item and the Commission's determination of it are the same as for Pre-Ordering Item 3.h (above).

In its Brief, BellSouth also addressing Ordering Item 1.b. regarding electronic mail ("email") capabilities for complex services. The Staff Report proposed that BellSouth provide email capabilities for pre-ordering and ordering of complex services, on an initial basis. This would be an interim step toward a more long-term capability for electronically ordering complex services. BellSouth stated that developing the email capability is a "worthwhile business goal," but balked at the Staff's recommended time frame for implementation on the basis that it would require "discussion among all parties about the type of form or email to be used, the data required on the form, where the form is to be sent, etc."<sup>35</sup> The Commission is not persuaded by BellSouth's arguments regarding this item. The email solution is merely an interim step, and requires minimally that the same form currently being used on paper (for example, sent to BellSouth by fax) be made available as an electronic document that CLECs can fill out as a word processing document and return to BellSouth by email. It does not require that the form be converted to an electronic form filled out interactively at this time. Permitting the CLECs to use the word processing version of the form for ordering complex services and returning it to BellSouth's designated representative(s) by email does not impose a burden or complexity on BellSouth. The Commission agrees that the Staff's recommendation on this item is reasonable and should be adopted.

## **C. Billing**

### **Item 1.f.**

*Issue: BellSouth has failed to provide systems for accessing usage data for flat rate calls.*

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<sup>34</sup> Stacy, Tr. 198-199.

<sup>35</sup> Stacy, Tr. 88-89; BellSouth Brief at 5-6.

*Solution: BellSouth will add capability in central offices to capture data for flat rate calls.*

The Staff recommended that BellSouth add the capability in each of its central offices to capture data for flat rate calls. BellSouth currently records flat rate customer usage data, such as the frequency and geographical destination of customer calls, where capacity is available; and BellSouth has the necessary capacity in 80 to 90 percent of its switches.<sup>36</sup> BellSouth objected to the Staff's recommendation on this point.

The collection of this data is technically feasible.<sup>37</sup> BellSouth does not currently process the flat rate data for itself or any CLEC. BellSouth drops the records from further handling since it does not currently bill charges based on them, and its switches do not record any information to determine whose records belong to whom.<sup>38</sup> Mr. Scollard testified that there is a difference between simply recording the data, and performing the value-added processing activities that transform the raw recorded data into useful information (i.e. industry standard usage record formats).

There is a demand for the usage data for calls that are currently flat-rated. For example, CLECs could use the data to develop and offer innovative services. CLECs could also use the information to better determine where and in what manner to build their own facilities. It may be that only certain CLECs would request such usage data for their own local telephone customers.<sup>39</sup> Mr. Scollard asserted that there would be substantial costs to deploy the hardware and software necessary to process the data into a usable format available to CLECs.<sup>40</sup> However, he acknowledged that the costs would be pro-rated for each state in the BellSouth region, by central office.<sup>41</sup>

The Commission notes that the proceedings in this docket were based upon technical feasibility rather than cost issues.<sup>42</sup> In addition, BellSouth has already agreed in interconnection agreements to provide usage data for flat rate calls. For example, BellSouth has agreed to the following:

BellSouth shall provide the Customer Usage data recorded by BellSouth. Such data shall include complete AT&T Customer usage data for Local Service, including both local and intraLATA toll service (e.g., call detail for all services, including flat-rated and usage-sensitive features) ....

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36 Scollard, Tr. 288.

37 BellSouth witness Mr. Scollard, Direct at 2.

38 Scollard Rebuttal at 2.

39 AT&T Brief at 17-18. Moreover, no CLEC had requested that BellSouth process this information through its entire billing system rather than simply sort the raw recorded data, a task BellSouth witness Scollard admitted had not necessarily been analyzed by BellSouth. Tr. 332. According to AT&T, processing usage data through BellSouth's entire system is not necessary nor is it desired. AT&T Brief at 18; AT&T witness Bradbury, Tr. 568.

40 Scollard Direct at 3.

41 Tr. 343.

42 Tr. 48.



BellSouth-AT&T Interconnection Agreement, Part I, Section 28.8 (Feb. 3, 1997), approved by the Commission in *Order Approving Arbitrated Interconnection Agreement*, Docket No. 6801-U (March 5, 1997).

Processing flat rate call records only far enough to convert them into standard industry format is much less expensive than processing such records through BellSouth's entire billing system.<sup>43</sup> In addition, the cost of complying with the Staff's proposed solution on this item will be borne by those carriers, including BellSouth, which request and receive such data.<sup>44</sup> These are additional reasons why the cost to implement the proposed solution should not be unduly burdensome.

BellSouth witness Mr. Scollard acknowledged that BellSouth has a structure of charges to the CLECs for obtaining similar data, established in Docket No. 7061-U. In the Commission's Order in Docket No. 7061-U, *Review of Cost Studies, Methodologies, and Cost-Based Rates for Interconnection and Unbundling of BellSouth Telecommunications Services* (December 16, 1997), at page 57, BellSouth was afforded the opportunity to file further information in that docket on its proposed OSS cost recovery amounts. The Commission stated in that Order:

The Commission addressed the question of cost recovery for BellSouth's development of electronic interfaces for OSS in its Supplemental Order in Docket No. 6352-U. The Commission ruled therein that all costs incurred by BellSouth to implement these interfaces shall be recovered from the industry; although the Commission added that it would resolve any disputes regarding this matter. The Commission concludes that the CLECs should be required to pay for at least some portion of BellSouth's costs of developing the OSS electronic interfaces. However, it is true that little documentation was provided in the record regarding the reasonableness of the total amounts now sought to be recovered. The Commission will direct BellSouth to file further information on its proposed OSS cost recovery amounts, so that the Commission and its Staff may further review these costs and the associated rate design, after BellSouth has implemented the long-term electronic interfaces that were projected for completion by December 1997. The Commission Staff may make a recommendation to the Commission as to whether any further proceedings would be appropriate, following such review.

*Order Establishing Cost-Based Rates*, Docket No. 7061-U, at 57 (Dec. 16, 1997). The Commission then proceeded to establish the rates that BellSouth shall charge CLECs at this time, in order to recover OSS costs. *Id.* The Commission ruled that following the implementation of long-term electronic interfaces for OSS functions that were scheduled

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43 Tr. 568.

44 Tr. 567.

for the end of December 1997, BellSouth shall submit a detailed report of its electronic interface costs for the Commission's review. *Id.* at 65. The Commission will determine an appropriate rate recovery mechanism for BellSouth's continued recovery of OSS costs following such review.

Thus for this item, and for any other item in this case as to which BellSouth expressed concerns regarding cost recovery, the Commission has already afforded BellSouth an opportunity to provide information on proposed cost recovery amounts, for the Commission's review. That is the appropriate avenue for BellSouth to pursue its OSS cost recovery concerns.

The Commission concludes that BellSouth should add the hardware capability in the remaining central offices to capture data for flat rate calls, and to deploy the software necessary to process the data into a usable format available to CLECs. BellSouth should implement this solution by December 31, 1998.

#### **D. General**

*Items 2.a. through 2.d.*

*Issues: 2a. Interim interface.*

*2b. Not compatible with industry standard EDI interfaces.*

*2c. CLECs cannot integrate pre-ordering and ordering at parity with BellSouth.*

*2d. Need for machine-to-machine or API for pre-ordering.*

*Solution: EDI and API will be based on industry standards and therefore can be integrated and available for machine-to-machine use.*

The development of the EDI and API interfaces will occur in conjunction with the continued development of industry standards. BellSouth stated that its development of future EDI software releases will conform to the available industry standards, and the development of the ordering section of the API will conform to these standards.<sup>45</sup> However, the development of the pre-ordering section of the API, and sections relating to other data, including rejects, errors, jeopardies, order status, etc., cannot be based on industry standards at this time because they do not yet exist.<sup>46</sup>

BellSouth witness Mr. Stacy added that BellSouth is committed to developing these portions of the API jointly with the CLECs, but all parties must recognize that this development may not be consistent with standards that are adopted in the future. However, BellSouth is committed to developing interfaces that do conform to national standards.<sup>47</sup>

Mr. Stacy testified that API will allow CLECs to obtain pre-ordering information and to place orders in exactly the same manner that LENS CGI, EC Lite, and EDI

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<sup>45</sup> Stacy Direct at 13.

<sup>46</sup> BellSouth January 9, 1998 Comments; Stacy Direct at 13.

<sup>47</sup> Stacy Direct at 13.

function now.<sup>48</sup> Mr. Stacy also testified that the Wholesale API Gateway will provide a machine-to-machine interface between BellSouth's back office systems and CLECs.<sup>49</sup> The EDI and API interfaces will be available for machine-to-machine use.

Mr. Stacy provided as Exhibit 3 to his rebuttal testimony a Bellcore report regarding BellSouth's software solutions process framework ("SSPF"). The report describes and uses a process maturity framework developed by the Software Engineering Institute, called the capability maturity model ("CMM").<sup>50</sup> The CMM is a methodological foundation for SSPF.<sup>51</sup> The CMM for software has standardized the measurement of software process maturity of organizations, and it is intended to help software organizations improve their processes through five different levels of maturity.<sup>52</sup> At the initial level (level 1), the software development environment is undefined (ad hoc) and unstable. The software processes are constantly being changed or modified as the work progresses. The software process capability at level 1 is unpredictable.<sup>53</sup> The Bellcore report indicated that BellSouth's SSPF is a first step toward achieving CMM level 2.<sup>54</sup> Mr. Stacy acknowledged that this means BellSouth has not yet achieved CMM level 2.<sup>55</sup>

The Commission finds that the Staff's recommendation regarding this item is appropriate and should be adopted. The Staff Report originally showed March 16, 1998 as the implementation date for EDI version 7.0; therefore, this should be implemented immediately with a follow-up report since this date has passed. The implementation date for API should be December 31, 1998. This implementation date should also allow BellSouth sufficient time to evaluate its software adequately, with the aid of Bellcore, and to achieve CMM level 5 (or an appropriately high level) of software process maturity for this interface.

#### IV. IMPLEMENTATION ISSUES

BellSouth stated that it would adopt certain proposed solutions as recommended by the Staff Report, with adjustment to the proposed implementation dates, as indicated in the following sections. BellSouth added that some of these changes were requested by AT&T.<sup>56</sup>

The Commission finds that BellSouth has not provided sufficient reason for changing the proposed implementation dates. The Commission also finds that AT&T

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48 Stacy Rebuttal at 15.

49 Stacy Direct at 10.

50 Stacy Ex. WNS-3, section 2.2, page 2-2.

51 Tr. 190-191.

52 Tr. 191.

53 Stacy Ex. WNS-3, section 2.2.1, page 2-3.

54 Stacy Ex. WNS-3, section 2.1.1, page 2-1.

55 Tr. 192.

56 See BST witness Mr. Stacy's Exhibit WNS-5.

should not be in the position of unilaterally changing these dates. Furthermore, AT&T is only one of many CLECs in Georgia. The Commission finds that the proposed implementation dates in the original Staff Report were reasonable and appropriate.

Since the Staff-recommended implementation dates for these items have passed or will have passed at the time of the Commission's Order, the Commission concludes that it is reasonable to require BellSouth to comply immediately and submit a report within 30 days from the date of the Commission's Order, stating exactly what BellSouth has done to implement these solutions contained in the Staff Report.

The following sections show the implementation dates in the Staff Report which BellSouth proposed to adjust. The Staff recommended that for these dates which have passed as of the date of this Order, BellSouth should be directed to comply immediately and to submit a report within 30 days after the Order, stating what BellSouth has done to implement the proposed solutions.

#### **A. Pre-Ordering**

- 1c. Proposed implementation date of January 30, 1998. BellSouth adjusted to February 2, 1998 (Completed).
- 3b. Proposed implementation date of December 17, 1997. BellSouth adjusted to January 30, 1998 (Completed).
- 3c. Proposed implementation date of March 30, 1998. BellSouth adjusted to June 30, 1998 for EC-Lite, August 30, 1998 for API and December 31, 1998 for LENS.
- 3d. Proposed implementation date of January 30, 1998. BellSouth adjusted to June 30, 1998 for LENS and August 30, 1998 for API.
- 3f. Proposed implementation date of March 30, 1998. BellSouth adjusted to June 30, 1998 originally and then to December 31, 1998.
- 4a. Proposed implementation date of January 5, 1998. BellSouth adjusted to January 30, 1998 (Completed).

#### **B. Maintenance and Repair**

- 1a. Proposed implementation date of February 2, 1998. BellSouth adjusted to March 2, 1998 at AT&T's request.
- 1b. Proposed implementation date of February 2, 1998. BellSouth adjusted to March 2, 1998 at AT&T's request.

2b. Proposed implementation date of February 2, 1998. BellSouth adjusted to March 2, 1998 at AT&T's request.

2c. Proposed implementation date of February 2, 1998. BellSouth adjusted to March 2, 1998 at AT&T's request.

4a. Proposed implementation date of February 2, 1998. BellSouth adjusted to March 2, 1998 at AT&T's request.

### **C. Ordering**

1b. Proposed implementation date of January 30, 1998. BellSouth adjusted to April 30, 1998.

2d. Proposed implementation date of January 5, 1998. BellSouth adjusted to January 12, 1998 (Completed).

2e. Proposed implementation date of December 19, 1997. BellSouth adjusted to January 30, 1998 (Completed).

2g. Proposed implementation date of March 31, 1998 (First Quarter 1998). BellSouth adjusted to December 31, 1998 (Fourth Quarter 1998).

2h. Proposed implementation date of March 31, 1998 (First Quarter 1998). BellSouth adjusted to November 1, 1998 for API and December 31, 1998 for EDI.

2j. Proposed implementation date of December 19, 1997. BellSouth adjusted to January 30, 1998 (Completed).

3a. Proposed implementation date of December 19, 1997. BellSouth adjusted to January 30, 1998 (Completed).

Since the Staff-recommended implementation dates for all of these items have passed as of the date of this Order, the Commission concludes that BellSouth should be ordered to comply immediately and to submit a report within 30 days from this Order, stating exactly what BellSouth has done to implement the Staff Report's proposed solutions.

### **D. Progress Reports**

The Staff recommended that BellSouth and interested CLECs be directed to work together in developing and submitting progress reports to the Commission. The Commission finds that this is a reasonable method of monitoring the progress in implementing the solutions adopted herein. Directing the industry participants to work together in this effort will also assist in fostering collaborative efforts to resolve disputes and move OSS development forward.

The core members of the participants who shall file these joint reports should be BellSouth and the following intervenors: AT&T, ICI, LCI, MCI, and Sprint. All other CLECs are also expected to share responsibility for participating in this process, and are invited to add information or comments to the joint reports.

The schedule for submitting the joint progress reports should be altered from the Staff's original December 23, 1997 recommendation, because the need for hearings postponed the Commission's adoption of solutions. The Commission finds that the schedule and procedures set forth in the attached Appendix B are reasonable and should be adopted for the joint reports.

#### **V. CONCLUSION AND ORDERING PARAGRAPHS**

The Commission finds and concludes that the Staff Report contains feasible and reasonable solutions to the technical issues raised during the Technical Workshop process in this docket. The Commission concludes that it is reasonable and appropriate to adopt the Staff Report attached hereto as Appendix A and incorporated herein by reference. For those implementation dates in the Staff Report which have passed as of the date of this Order, BellSouth is directed to comply immediately and to submit a report within 30 days from the date of this Order, stating exactly what BellSouth has done to implement the Report's proposed solutions. The Commission also adopts the procedures and changes in the schedule for progress reports by the parties contained in Appendix B hereto. The Commission therefore adopts the Staff Report, and these slight modifications regarding implementation dates and progress report dates, as its OSS Report. The Commission directs BellSouth to comply fully with the OSS Report as adopted by this Order.

**WHEREFORE IT IS ORDERED**, that the Commission adopts the OSS Report reflected in Appendices A and B in their entirety.

**ORDERED FURTHER**, that BellSouth is directed to comply fully with the OSS Report as adopted by this Order. For those implementation dates in Appendix A which have passed as of the date of this Order, BellSouth is directed to comply immediately and to submit a report within 30 days from the date of this Order, stating exactly what BellSouth has done to implement the Report's proposed solutions.

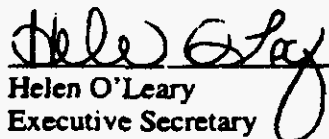
**ORDERED FURTHER**, that the Commission directs BellSouth and the parties to file progress reports in this docket, to apprise the Commission of the status of implementation of the solutions in the Report. Each of these reports should be a joint report submitted by all interested industry participants according to the procedures and schedule set forth in Appendix B. The core members of the participants who shall file these joint reports are BellSouth and intervenors AT&T, ICI, LCI, MCI, and Sprint. All other CLECs are also expected to share responsibility for participating in this process, and are invited to add information or comments to the joint reports.

**ORDERED FURTHER**, that all findings, conclusions, and statements set forth in the preceding sections of this Order are adopted as findings of fact, conclusions of law, and statements of regulatory policy of this Commission.

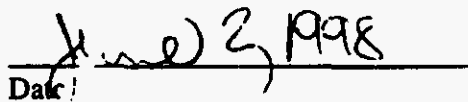
**ORDERED FURTHER**, that a motion for reconsideration, rehearing, or oral argument or any other motion shall not stay the effective date of this Order, unless otherwise ordered by the Commission.

**ORDERED FURTHER**, that jurisdiction over these matters is expressly retained for the purpose of entering such further Order or Orders as this Commission may deem just and proper.

The above by action of the Commission in Administrative Session on April 21, 1998.

  
Helen O'Leary  
Executive Secretary

  
Robert B. Baker, Jr.  
Chairman

  
Date

  
Date

# APPENDIX A

Docket No. 8354-U  
 Georgia Public Service Commission OSS Workshop  
 Summary of Staff Recommendations  
 December 23, 1997

## PRE-ORDERING

POTENTIAL ISSUE	PROPOSED SOLUTION	IMPLEMENTATION TIME FRAME
<p><b>1. RSAG/LENS</b></p> <ul style="list-style-type: none"> <li>a. Download of RSAG has not been provided.</li> <li>b. Information provided to BST (e.g. Connect Through and QuickServe) is not provided to CLECs.</li> <li>c. Requires multiple screen process and repeated address validation.</li> <li>d. Human to machine interface requires dual entry of info.</li> </ul>	<ul style="list-style-type: none"> <li>a. BST shall make download of RSAG available, and provide for periodic updates of information.</li> <li>b. Not an issue (BST providing through LENS browser, CGI interface, and EC-LITE).</li> <li>c. BST has stated that it will revise this inquiry process.</li> <li>d. Proposed API interface will alleviate many of these problems.</li> </ul>	<ul style="list-style-type: none"> <li>a. January 30, 1998</li> <li>b. N/A</li> <li>c. January 30, 1998</li> <li>d. January 28, 1998 (Vendor selected) (Implementation by the end of 1998)</li> </ul>
<p><b>2. Customer Service Record</b></p> <ul style="list-style-type: none"> <li>a. Not given access to the same CSR information BST uses and are limited to printing 50 pages.</li> <li>b. Rates of services and equipment items displayed on CSR are not presented in LENS.</li> <li>c. No "refer to" number is provided on certain CSRs. CLECs must call LCSC to obtain the number.</li> </ul>	<ul style="list-style-type: none"> <li>a. BST currently limits its retail operation to a 54 page print limit. The proposed API interface will eliminate this current limitation.</li> <li>b. BST shall make this information available via fax and electronically through LENS.</li> <li>c. Not an issue.</li> </ul>	<ul style="list-style-type: none"> <li>a. January 28, 1998 (Vendor selected) (Implementation by the end of 1998)</li> <li>b. January 30, 1998</li> <li>c. N/A</li> </ul>

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**PRE-ORDERING**

POTENTIAL ISSUE	PROPOSED SOLUTION	IMPLEMENTATION TIME FRAME
<p><b>3. Limited Products and Services</b></p> <p>a. A complete list of all valid "USOCs" has not been provided to the CLECs.</p> <p>b. Failure to provide information regarding promotional offerings.</p> <p>c. Failure to provide blocks of DID numbers and DID trunk inquiry.</p> <p>d. Lack of accurate PSDMS information and is received by batch file.</p> <p>e. LENS is not designed to accommodate Unbundled loop and certain complex remote orders.</p> <p>f. PIC information is not listed in an efficient manner.</p> <p>g. ESSX and MultiServe information is not available.</p> <p>h. LENS is limited to a maximum of 6 lines per residence or business request and a maximum of 20 features per line.</p>	<p>a. BST shall make a complete list of valid USOCs available to CLECs and provide monthly updates to this information.</p> <p>b. BST is currently providing this information in a paper format and will determine whether an electronic version can be provided.</p> <p>c. BST shall make blocks of ten DID numbers available electronically.</p> <p>d. BST shall make accurate information available in PSIMS.</p> <p>e. This issue is addressed in 1a of Ordering.</p> <p>f. BST shall add a search capability for PICs in LENS.</p> <p>g. This issue is addressed in 1g of Ordering.</p> <p>h. The proposed API interface will eliminate these limitations.</p>	<p>a. January 30, 1998</p> <p>b. December 17, 1997 (Notice of availability)</p> <p>c. March 30, 1998</p> <p>d. January 30, 1998</p> <p>e. March 16, 1998 for Version 7.0 January 30, 1998 for LEO, LESOG and SOER</p> <p>f. March 30, 1998</p> <p>g. March 30, 1998</p> <p>h. End of 1998</p>

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<b>POTENTIAL ISSUE</b>	<b>PROPOSED SOLUTION</b>	<b>IMPLEMENTATION TIME FRAME</b>
<p><b>4. Telephone Number Resources</b></p> <p>a. Limits number reservation to six numbers/LENS session and 100 numbers/and office.</p> <p>b. BST's RNS system automatically generates a telephone number to offer a customer but CLECs must use telephone number reservation in LENS.</p> <p>c. CLECs cannot determine NXX codes available to offer customers.</p> <p>d. BST does not provide parity of access to vanity numbers.</p> <p>e. BST does not enable CLECs to hold a telephone number for 30 days without using cumbersome (firm order mode) of LENS. In the (inquiry mode) CLECs may only make reservations for 9 days.</p> <p>f. ATLAS information is received by a periodic file data transfer.</p>	<p>a. BST is removing 100 number limit for LENS and EC-Lite.</p> <p>b. BST is providing telephone number availability in a sufficient manner.</p> <p>c. This information is currently provided in LERG. The proposed API interface will also make this information available.</p> <p>d. BST is providing vanity number availability in a sufficient manner.</p> <p>e. BST shall make 30 day number reservation available to CLECs.</p> <p>f. Not an issue.</p>	<p>a. January 5, 1998</p> <p>b. N/A</p> <p>c. N/A</p> <p>d. N/A</p> <p>e. March 30, 1998</p> <p>f. N/A</p>

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**PRE-ORDERING**

<b>POTENTIAL ISSUE</b>	<b>PROPOSED SOLUTION</b>	<b>IMPLEMENTATION TIME FRAME</b>
<p><b>5. Due Dates</b></p> <p>a. Access for calculation of due date is not available.</p> <p>b. Dates given are not firm, also the date is assigned by BellSouth after it is entered into BellSouth's system.</p> <p>c. If technician is needed, it would not be known to the CLEC. Technician time could be wasted.</p> <p>d. Limited appointment time.</p> <p>e. Access to dedicated facilities info available only after due date is assigned.</p> <p>f. Changes to due date requires a phone call to LCSC.</p> <p>g. Firm Order Confirmation delays.</p>	<p>a. BST shall provide a full due date calculation capability in the pre-ordering mode of LENS.</p> <p>b. This issue is addressed in 2i of Ordering.</p> <p>c. Not an issue (Connect-Through and Quick Serve will solve the problem).</p> <p>d. BST is providing this information in a sufficient manner.</p> <p>e. This information is presently being provided through Quick Serve, and the proposed API interface will address this issue long-term.</p> <p>f. This issue is addressed in 4a of Ordering.</p> <p>g. This issue is addressed in 2i of Ordering.</p>	<p>a. April 30, 1998</p> <p>b. January 30, 1998</p> <p>c. N/A</p> <p>d. N/A</p> <p>e. N/A</p> <p>f. N/A</p> <p>g. January 30, 1998</p>
<p><b>6. Editing Capabilities</b></p> <p>a. BellSouth relies upon machine to human interactions.</p> <p>b. Prevent on-line edit checks, order rejects and must be resubmitted.</p>	<p>a. This issue is addressed in 4a of Ordering.</p> <p>b. This issue is addressed in 4a of Ordering.</p>	<p>a. March 16, 1998 for Version 7.0 January 30, 1998 for LEO, LESOG and SOER</p> <p>b. March 16, 1998 for Version 7.0 January 30, 1998 for LEO, LESOG and SOER</p>

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**PRE-ORDERING**

<b>POTENTIAL ISSUE</b>	<b>PROPOSED SOLUTION</b>	<b>IMPLEMENTATION TIME FRAME</b>
<p><b>7. System Capacity</b></p> <p>a. RSAG and LENS lack sufficient capacity to meet reasonable demand.</p> <p>b. System Lock-Out or Time-Out.</p>	<p>a. BST is installing new software to resolve this problem.</p> <p>b. BST is installing new software to resolve this problem.</p>	<p>a. December 12, 1997</p> <p>b. December 12, 1997</p>
<p><b>8. Systems Integration</b></p> <p>a. LENS is an interim system that does not provide machine to machine access to BST's legacy systems.</p> <p>b. LENS pre-ordering interface is not integrated with its EDI ordering interface.</p> <p>c. BST has failed to provide real-time machine to machine access to Direct Order Entry Support Applications Program ("DSAP").</p> <p>d. Technical specifications have not been provided to CLECs so they can transfer information into their systems without manual intervention.</p>	<p>a. Closed issue (BST will provide system specifications so that CLECs can build their own interfaces to integrate).</p> <p>b. Closed issue (BST will provide system specifications so that CLECs can build their own interfaces to integrate).</p> <p>c. Closed issue (BST will provide system specifications so that CLECs can build their own interfaces to integrate).</p> <p>d. Closed issue (BST will provide system specifications so that CLECs can build their own interfaces to integrate).</p>	<p>a. LENS specifications provided December 12, 1997</p> <p>b. CGI specifications available December 15, 1997</p> <p>c. December 31, 1997</p> <p>d. December 31, 1997</p>

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**MAINTENANCE AND REPAIR**

<b>POTENTIAL ISSUE</b>	<b>PROPOSED SOLUTION</b>	<b>IMPLEMENTATION TIME FRAME</b>
<p><b>1. Limited Application</b></p> <p>a. Electronic Bonding Interface (EBI) only provides full service for access special circuits.</p> <p>b. TAFI only supports basic local exchange services. All others require manual intervention by BST personnel.</p>	<p>a. BST is implementing EBI with AT&amp;T.</p> <p>b. EBI will accommodate all services.</p>	<p>a. February 2, 1998</p> <p>b. February 2, 1998</p>
<p><b>2. Electronic Capabilities</b></p> <p>a. BST has not provided EBI for telephone number-based service.</p> <p>b. No electronic capability to send/receive status on any local telephone service.</p> <p>c. Electronically issued orders are manually entered into BST system.</p>	<p>a. BST shall provide TAFI specifications to CLECs.</p> <p>b. Implementation of EBI will address this issue.</p> <p>c. Implementation of EBI will address this issue.</p>	<p>a. January 30, 1998</p> <p>b. February 2, 1998</p> <p>c. February 2, 1998</p>
<p><b>3. System Capacity</b></p> <p>TAFI lacks sufficient capacity to meet demand (i.e. simultaneous users).</p>	<p>BST will add capacity to accommodate more users as needed.</p>	<p>As needed</p>
<p><b>4. Long Term Solution</b></p> <p>EBI-long term is not in place.</p>	<p>BST shall implement EBI. BST is not required to make enhancements to TAFI.</p>	<p>February 2, 1998</p>

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**MAINTENANCE AND REPAIR**

<b>POTENTIAL ISSUE</b>	<b>PROPOSED SOLUTION</b>	<b>IMPLEMENTATION TIME FRAME</b>
<p><b>5. Integration</b></p> <p>a. BST failed to provide technical specifications for CLECs' TAFI integration.</p> <p>b. TAFI and LENS are not integrated.</p>	<p>a. BST will provide specifications for TAFI to CLECs.</p> <p>b. BST does not integrate TAFI with its retail pre-ordering and ordering systems. BST will provide specifications for TAFI and LENS to CLECs so that they may perform their own system integration.</p>	<p>a. January 30, 1998</p> <p>b. January 30, 1998</p>

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**ORDERING**

<b>POTENTIAL ISSUE</b>	<b>PROPOSED SOLUTION</b>	<b>IMPLEMENTATION TIME FRAME</b>
<p><b>1. Limited Product and Services</b></p> <p>a. LENS is not designed to accommodate unbundled loop and certain complex resale orders.</p> <p>b. Limited pre-ordering and ordering gateway interface (provided by LENS and EDI) to the BellSouth resources that link to its legacy systems.</p> <p>c. LENS and EDI support only some resale services.</p> <p>d. Failure to use industry standard feature identification codes.</p> <p>e. Failure to provide a fully automated system for placing complex orders.</p> <p>f. Inability of new entrants using Phase I EDI to order all services that BST now orders electronically to support its retail operations, i.e., cannot be used to order private line, Centrex, ISDN, or complex business services or unbundled network elements.</p> <p>g. No provision for ordering capabilities for Centrex, some ISDN, MultiServ, complex services, private line services other than Synchronet, or all unbundled network elements when Phase II EDI interface is implemented.</p> <p>h. EXACT designed for access, not local service, thus only part of the customers service, such as the loop, can be ordered electronically; the remainder of the customers order, for items such as E911, directory listings, interim number portability, etc. must be ordered through another interface such as EDI or via fax.</p>	<p>a. BST shall provide business rules to CLECs for Version 7.0 of EDI, LEO, LESOG and SOER.</p> <p>b. BST shall provide e-mail capabilities for pre-ordering and ordering complex services initially. This is in addition to the current fax capability.</p> <p>c. BST in conjunction with carriers will present this issue of mechanized complex orders to OBF.</p> <p>d. Not an issue.</p> <p>e. BST in conjunction with carriers will present this issue of mechanized complex orders to OBF.</p> <p>f. Issue addressed in 1a, 1b, and 1c.</p> <p>g. BST in conjunction with carriers will present this issue of mechanized complex orders to OBF.</p> <p>h. Not an issue.</p>	<p>a. March 16, 1998 for Version 7.0 January 30, 1998 for LEO, LESOG and SOER</p> <p>b. January 30, 1998</p> <p>c. March 30, 1998</p> <p>d. N/A</p> <p>e. March 30, 1998</p> <p>f. March 16, 1998 for Version 7.0 January 30, 1998 for LEO, LESOG and SOER</p> <p>g. March 30, 1998</p> <p>h. N/A</p>

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**ORDERING**

<b>POTENTIAL ISSUE</b>	<b>PROPOSED SOLUTION</b>	<b>IMPLEMENTATION TIME FRAME</b>
<p><b>1. Ordering (Continued)</b></p> <p>i. CLEC orders placed through LENS are currently limited to a maximum of six lines per residence or business request, and a maximum of twenty features per line.</p> <p><b>2. Order Status</b></p> <p>a. LENS and EDI have not led to faster provisioning of simple LSRs.</p> <p>b. Communication processes fail to adequately advise CLECs of the status of the orders placed via the electronic gateways.</p> <p>c. Sufficient notices not provided to CLEC e.g. service jeopardies, rejects, competitive disconnects, circuit based services.</p> <p>d. Treatment of CLEC orders as two orders - one to disconnect and one to reconnect.</p> <p>e. Failure to provide adequate flow-through for POTs resale and UNE orders.</p> <p>f. Failure to disclose internal editing and data formatting requirements.</p> <p>g. Failure to provide sufficient order summaries and/or an order summary screen.</p> <p>h. No means for CLECs to access and view pending orders.</p> <p>i. Lack of a system that provides adequate FOC information - the 'soft' FOC before facility availability is determined is inadequate.</p>	<p>i. Issue addressed in 3h of Pre-Ordering.</p> <p>a. Not an issue at this time.</p> <p>b. Not an issue at this time.</p> <p>c. In the interim, BST will work with carriers on the provision of timely notices.</p> <p>d. BST is installing software to resolve this issue. BST will verify memory call item is resolved also.</p> <p>e. BST will share edits and all scenarios which produce order fall out for manual processing.</p> <p>f. BST shall provide business rules to CLECs for Version 7.0 of EDI, LEO, LESOG and SOER.</p> <p>g. BST and the CLECs have committed to resolve this issue.</p> <p>h. BST and the CLECs have committed to resolve this issue.</p> <p>i. BST shall provide the same guarantee of FOC information to CLEC that it provides to its retail operations.</p>	<p>i. End of 1998</p> <p>a. N/A</p> <p>b. N/A</p> <p>c. January 30, 1998</p> <p>d. January 5, 1998</p> <p>e. December 19, 1997</p> <p>f. March 16, 1998 for Version 7.0 January 30, 1998 for LEO, LESOG and SOER</p> <p>g. First Quarter 1998</p> <p>h. First Quarter 1998</p> <p>i. January 30, 1998</p>



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**ORDERING**

<b>POTENTIAL ISSUE</b>	<b>PROPOSED SOLUTION</b>	<b>IMPLEMENTATION TIME FRAME</b>
<p><b>2. Order Status (Continued)</b></p> <p><b>j. EDI not fully automated, e.g., more than two-thirds of orders placed through its electronic interfaces fall out for manual processing.</b></p> <p><b>k. EDI not capable of electronically transmitting necessary provisioning notices, i.e., error notices, reject notices jeopardy notices, status reports.</b></p> <p><b>l. All necessary business rules not provided to CLECs; rules in LEO Guide in error or internally inconsistent.</b></p> <p><b>m. Batch processing is not real-time or near real-time for ordering.</b></p> <p><b>n. Access to dedicated facility information is available only after the due date is assigned and not before which would enable a representative to immediately offer the same-day service on a new install that does not require an additional line.</b></p>	<p><b>j. BST will share edits and all scenarios which produce order fall out for manual processing.</b></p> <p><b>k. In the interim, BST will work with carriers on the provision of timely notices.</b></p> <p><b>l. BST shall provide business rules for CLECs for Version 7.0 of EDI, LEO, LESOG and SOER.</b></p> <p><b>m. BST will explore event-driven EDI with AT&amp;T and MCI.</b></p> <p><b>n. BST shall provide a full due date calculation capability in the pre-ordering mode of LENS.</b></p>	<p><b>j. December 19, 1997</b></p> <p><b>k. January 30, 1998</b></p> <p><b>l. March 16, 1998 for Version 7.0 January 30, 1998 for LEO, LESOG and SOER</b></p> <p><b>m. First Quarter 1998</b></p> <p><b>n. April 30, 1998</b></p>

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**ORDERING**

<b>POTENTIAL ISSUE</b>	<b>PROPOSED SOLUTION</b>	<b>IMPLEMENTATION TIME FRAME</b>
<p><b>3. Level of Manual Intervention</b></p> <p>a. Substantial number of LSRs placed via EDI being handled manually.</p> <p>b. No working EDI interface for ordering.</p> <p>c. EDI-PC not fully automated.</p> <p>d. Process for ordering unbundled network elements through LENS (information is entered into the "Remarks" section of the order screen and is manually retrieved and re-entered by BST).</p> <p>e. Availability of an electronic interface that does not require manual intervention for the provisioning of unbundled loops.</p>	<p>a. Issue addressed in 2c and 2j.</p> <p>b. Not an issue.</p> <p>c. Not an issue at this time.</p> <p>d. BST shall provide business rules to CLECs for Version 7.0 of EDI, LEO, LESOG and SOER.</p> <p>e. BST shall provide business rules to CLECs for Version 7.0 of EDI, LEO, LESOG and SOER.</p>	<p>a. December 19, 1997</p> <p>b. N/A</p> <p>c. N/A</p> <p>d. March 16, 1998 for Version 7.0 January 30, 1998 for LEO, LESOG and SOER</p> <p>e. March 16, 1998 for Version 7.0 January 30, 1998 for LEO, LESOG and SOER</p>
<p><b>4. Edit Capabilities</b></p> <p>a. Failure to provide electronic edit capabilities with ordering and provisioning at parity with BST. Edit to comply with OBF ordering form requirements or BST business rules.</p> <p>b. Inability to submit change orders (in case of errors, customer changes order, and adding or removing features).</p>	<p>a. BST shall provide business rules to CLECs for Version 7.0 of EDI, LEO, LESOG and SOER.</p> <p>b. BST shall provide business rules to CLECs for Version 7.0 of EDI, LEO, LESOG and SOER.</p>	<p>a. March 16, 1998 for Version 7.0 January 30, 1998 for LEO, LESOG and SOER</p> <p>b. March 16, 1998 for Version 7.0 January 30, 1998 for LEO, LESOG and SOER</p>

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**ORDERING**

POTENTIAL ISSUE	PROPOSED SOLUTION	IMPLEMENTATION TIME FRAME
<p><b>5. System Capacity</b></p> <p>a. Failure to provide systems with sufficient capacity to meet anticipated or reasonable demand.</p> <p>b. Insufficient testing of systems and test documentation.</p> <p>c. Inadequate field for directory listings.</p> <p>Note: Applies to both EDI and EDI-PC for Items 5a thru 5c.</p>	<p>a. BST has agreed to provide the methodology utilized to calculate present system capacity and its proposed plan for expanding system capacity.</p> <p>b. Issue addressed in 1a and 1b of the General Section.</p> <p>c. Issue addressed in 1a and 1b of the General Section.</p>	<p>a. December 31, 1997</p> <p>b. January 30, 1998</p> <p>c. January 30, 1998</p>
<p><b>6. Integration</b></p> <p>a. LENS, EDI, and EDI-PC interfaces are not integrated to provide direct, unmitigated access to BST's legacy systems for pre-ordering and ordering functions.</p> <p>b. LENS must be utilized in combination with additional interfaces, such as the TAFI system and EDI-PC in order to meet additional CLEC needs.</p> <p>c. Insufficient information provided new entrants to develop a system compatible with BST's Phase II EDI.</p> <p>d. LENS, EDI, and EDI-PC require dual entry by entrants into their own ordering/customer records systems.</p>	<p>a. Closed issue (BST will provide system specifications so that CLECs can build their own interfaces to integrate).</p> <p>b. Not an issue.</p> <p>c. Issue addressed in 2f of Ordering and 1a and 1b of the General Section.</p> <p>d. Closed issue (BST will provide system specifications so that CLECs can build their own interfaces to integrate).</p>	<p>a. December 31, 1997</p> <p>b. N/A</p> <p>c. March 16, 1998 for Version 7.0          January 30, 1998 for LEO, LESOO and SOER</p> <p>d. December 31, 1997</p>

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**BILLING**

POTENTIAL ISSUE	PROPOSED SOLUTION	IMPLEMENTATION TIME FRAME
<p><b>1. System Capability</b></p> <p>a. BST has failed to provide systems relating to detailed access usage data for UNEs for billing purposes.</p> <p>b. BST has failed to provide systems to bill for UNEs, including local loops, local transport and switching via CAbEs or using a CAbE format.</p> <p>c. BST does not have the capability to record usage data or generate mechanized bills for many network elements. BST is not capable of providing usage sensitive billing for those UNEs that have usage sensitive pricing such as transport, switching, and signaling.</p> <p>d. BST cannot electronically transmit originating and terminating recording information for interstate calls and does not know when it will be able to do so.</p> <p>e. BST has failed to provide systems that accurately produce bills for resold services.</p> <p>f. BST has failed to provide systems for accessing usage data for flat rate calls.</p> <p>g. BST is not providing usage rates for Information Service Provider (e.g. N11) calls even though BST agreed to in middle 1996 and are required to by the AT&amp;T/BST Interconnection Agreement.</p> <p>h. BST has failed to provide systems for mechanically generated billing statements.</p>	<p>a. BST will provide access daily usage file (ADUF).</p> <p>b. This is a contractual issue and therefore no proposed solution is offered in the context of this technical workshop.</p> <p>c. BST shall furnish an accurate paper bill in accordance with interconnection agreements.</p> <p>d. BST will provide access daily usage file (ADUF).</p> <p>e. Not an issue</p> <p>f. BST will add capability in central offices to capture data for flat rate calls.</p> <p>g. CLECs have the ability to negotiate their own contracts with ISPs.</p> <p>h. BST shall furnish an accurate paper bill in accordance with interconnection agreements.</p>	<p>a. December 31, 1997</p> <p>b. N/A</p> <p>c. February 15, 1998</p> <p>d. December 31, 1997</p> <p>e. N/A</p> <p>f. December 1998</p> <p>g. N/A</p> <p>h. February 15, 1998</p>
<p><b>2. Billing Accuracy</b></p> <p>CABe - formatted bills were to be implemented by August 2, 1997. AT&amp;T still has not received accurate CABe bills and remains in testing with BST.</p>	<p>This is a contractual issue and therefore no proposed solution is offered in the context of this technical workshop.</p>	<p>N/A</p>

Appendix A

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**GENERAL**

<b>POTENTIAL ISSUE</b>	<b>PROPOSED SOLUTION</b>	<b>IMPLEMENTATION TIME FRAME</b>
<p><b>1. Notice of Changes</b></p> <p>a. Insufficient notice of changes  b. Insufficient documentation of specifications</p>	<p>a and b: BellSouth, AT&amp;T, MCI and Sprint started a series of meetings on December 11, 1997 to develop a Process Document addressing and resolving these "change management" issues. This series of meetings and development of the document are supposed to conclude by January 31, 1998. One additional CLEC will also be notified so that they can have some input. The parties view this as positive, interactive solution.</p>	<p>a and b: January 30, 1998</p>
<p><b>2. Proprietary Interface</b></p> <p>a. Interim interface.  b. Not compatible with industry standard EDI interfaces.  c. CLECs cannot integrate preordering and ordering at parity with BST.  d. Need for machine-to-machine or Application Programming Interface for preordering.</p>	<p>a thru d: EDI &amp; API will be based on industry standards and therefore can be integrated and available for machine-to-machine use.</p>	<p>a thru d: EDI version 7.0 by March 16, 1998  API by December 31, 1998</p>
<p><b>3. Training</b></p> <p>a. Usable specs not made available.  b. Documentation incomplete, has errors.  c. BST personnel lacks adequate training.</p>	<p>a. Issue addressed in 1a and 1b.  b. Issue addressed in 1a and 1b.  c. Issue addressed in 1a and 1b. Also, BST to provide feedback on orders submitted for CLEC information in training their own staff.</p>	<p>a. January 30, 1998  b. January 30, 1998  c. January 30, 1998</p>

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**GENERAL**

<b>POTENTIAL ISSUE</b>	<b>PROPOSED SOLUTION</b>	<b>IMPLEMENTATION TIME FRAME</b>
<p><b>4. Information</b></p> <p>Information is not provided to show parity (i.e. CLEC tour of BST facilities).</p>	<p>Not a technical issue to be resolved in this docket.</p>	<p>N/A</p>

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**BEFORE THE GEORGIA PUBLIC SERVICE COMMISSION**

In re: Investigation into Development of )  
Electronic Interfaces for BellSouth's ) Docket No. 8354-U  
Operational Support Systems )

**CERTIFICATE OF SERVICE**

I hereby certify that the foregoing Staff Report - Investigation into Development of Electronic Interfaces for BellSouth's Operational Support Systems was filed with the Commission's Executive Secretary and copies were served upon all parties and persons listed below by U.S. first-class mail:

Stacey Ferris-Smith  
Assistant Attorney General  
Department of Law  
40 Capitol Square  
Atlanta, GA 30334

Jim Hurt/Kennard Woods  
Consumers' Utility Counsel Division  
Office of Consumer Affairs  
2 M.L. King, Jr. Drive  
Plaza Level - East  
Atlanta, GA 30334

William R. Atkinson  
Sprint Communications Co.  
3100 Cumberland Circle  
Atlanta, GA 30339

Fred McCallum, Jr.  
BellSouth Telecommunications  
125 Perimeter Center West  
Suite 376  
Atlanta, GA 30346

John M. Stuckey, Jr.  
Webb Stuckey & Lindsey  
PO Box 79347  
Atlanta, GA 30357-7347

Allan C. Hubbard  
300 W. Service Road  
P.O. Box 10804  
Charlottesville, VA 20153-0804

Newton M. Galloway  
113 Concord Street  
PO Box 632  
Zebulon, GA 30295

Charles A. Hudak  
Gerry, Friend & Saponov  
Three Ravinia Dr., Suite 1450  
Atlanta, GA 30346-2131

Stephen C. Schwartz  
ATA Communications  
1461 Hagysford Road  
Norbeth, PA 19072

James D. Comerford  
Long, Aldridge & Norman  
303 Peachtree Street  
Suite 5300  
Atlanta, GA 30308

William E. Rice  
Long, Aldridge & Norman  
303 Peachtree Street  
Suite 5300  
Atlanta, GA 30308

John P. Silk  
Georgia Telephone Assn.  
1900 Century Boulevard  
Suite 8  
Atlanta, GA 30345

Stephen G. Kraskin  
Thomas J. Moorman  
Kraskin & Lesse  
2120 L Street, NW, Suite 520  
Washington, DC 20037

David I. Adelman  
Sutherland, Asbill & Brennan  
999 Peachtree St., NE  
Atlanta, GA 30309-3996

Patrick K. Wiggins  
Wiggins & Villacorta  
PO Drawer 1657  
Tallahassee, FL 32302

Kenneth P. McNeely  
AT&T  
1200 Peachtree Street, NE  
Room 4048  
Atlanta, GA 30309

Charles V. Gertin, Jr.  
Chorey, Taylor & Feil  
Suite 1700 The Lenox Bldg.  
3399 Peachtree Road, NE  
Atlanta, GA 30326

Michael S. Bradley  
Flicks, Maloof & Campbell  
Suite 2200  
285 Peachtree Cr. Avenue  
Atlanta, GA 30303-1234

**Richard M. Rindler**  
**Swidler & Berlin**  
3000 K Street, NW; Suite 300  
Washington, DC 20007

**Peter C. Canfield**  
**Dow Lohnes & Albertson**  
One Ravinia Drive; Suite 1600  
Atlanta, GA 30346

**Pamela C. Melton**  
**LCI International Telecom**  
8180 Greensboro Drive  
Suite 800  
McLean, VA 22102

**Sheryl A. Butler, Ofc. JAG**  
**Dept. Army Lit. Cr.; Suite 713**  
901 N. Stuart Street  
Arlington, VA 22203-1837

**Enrico C. Soriano**  
**Kelley Drye & Warren**  
1200 19<sup>th</sup> Street, NW; Suite 500  
Washington, DC 20036

**James M. Tennant**  
**Low Tech Designs, Inc.**  
1204 Saville Street  
Georgetown, SC 29440

**Charles F. Palmer**  
**Troutman Sanders LLP**  
5200 NationsBank Plaza  
600 Peachtree Street, NE  
Atlanta, GA 30308-2216

**Peyton S. Hawes, Jr.**  
**1100 Candler Building**  
127 Peachtree Street, NE  
Atlanta, GA 30303-1810

**Steve Brown**  
**Intermedia Comm., Inc.**  
3625 Queen Palm Drive  
Tampa, FL 33619-1309

**Walt Sapronov**  
**Gerry, Friend & Sapronov, LLP**  
Three Ravinia Drive; Suite 1450  
Atlanta, GA 30346-2131

**Kent Heyman**  
**MGC Communications, Inc.**  
3165 Palms Centre Drive  
Las Vegas, NV 89103

So certified this 23rd day of December, 1997.

  
\_\_\_\_\_  
**David L. Burgess**  
Director, Telecommunications



**Appendix B**

**Schedule for Progress Reports by the Parties**

The OSS Report calls for the parties in the industry to file reports in this docket, to apprise the Commission of the status of implementation of the solutions. Each of these reports should be a joint report submitted by all interested industry participants. The process of developing such joint reports should be an additional means of facilitating productive communications among all the affected parties.

The format of the reports should follow the Matrix in the OSS Report, with the addition of a fourth column showing whether (and when) implementation milestones have been accomplished. These joint reports should be filed under Docket No. 8354-U with the Commission's Executive Secretary, with both an electronic version and 25 paper copies, on specified dates. The Staff's original schedule for these reports must be modified to allow for the hearings that have been concluded. Therefore, the Commission adopts the following modified schedule:

**Original Recommended Schedule**

February 10, 1998  
March 10, 1998  
April 10, 1998  
May 10, 1998  
June 10, 1998  
July 10, 1998  
October 10, 1998  
January 10, 1999

**Modified Schedule**

June 10, 1998  
July 10, 1998  
August 10, 1998  
September 10, 1998  
October 10, 1998  
November 10, 1998  
February 10, 1999  
May 10, 1999

**BEFORE THE GEORGIA PUBLIC SERVICE COMMISSION**

In re: Investigation into Development of )  
Electronic Interfaces for BellSouth's ) Docket No. 8354-U  
Operational Support Systems )

**CERTIFICATE OF SERVICE**

I hereby certify that the foregoing Staff Direct Testimony in the above referenced docket was filed with the Commission's Executive Secretary and copies were served upon all parties and persons listed below by U.S. first-class mail:

Stacey Ferris-Smith  
Assistant Attorney General  
Department of Law  
40 Capitol Square  
Atlanta, GA 30334

Jim Hurt/Ken Woods  
Consumers' Utility Counsel Division  
Office of Consumer Affairs  
2 M.L. King, Jr. Drive  
Plaza Level - East  
Atlanta, GA 30334

William R. Atkinson  
Sprint Communications Co.  
3100 Cumberland Circle  
Atlanta, GA 30339

Fred McCallum, Jr.  
BellSouth Telecommunications  
125 Perimeter Center West  
Suite 376  
Atlanta, GA 30346

John M. Stuckey, Jr.  
Webb Stuckey & Lindsey  
PO Box 79347  
Atlanta, GA 30357-7347

Allan C. Hubbard  
300 W. Service Road  
PO Box 10804  
Chantilly, VA 20153-0804

Newton M. Galloway  
113 Concord Street  
PO Box 632  
Zebulon, GA 30295

Charles A. Hudak  
Gerry, Friend & Saprnov  
Three Ravinia Dr., Suite 1450  
Atlanta, GA 30346-2131

Stephen C. Schwartz  
ATA Communications  
1461 Hagysford Road  
Norbeth, PA 19072

James D. Comerford  
Long, Aldridge & Norman  
303 Peachtree Street  
Suite 5300  
Atlanta, GA 30308

William E. Rice  
Long, Aldridge & Norman  
303 Peachtree Street  
Suite 5300  
Atlanta, GA 30308

John P. Silk  
Georgia Telephone Assn.  
1900 Century Boulevard  
Suite 8  
Atlanta, GA 30345

Stephen G. Kraskin  
Thomas J. Moorman  
Kraskin & Lesse  
2120 L Street, NW, Suite 520  
Washington, DC 20037

David I. Adelman  
Sutherland, Asbill & Brennan  
999 Peachtree St., NE  
Atlanta, GA 30309-3996

Patrick K. Wiggins  
Wiggins & Villacorta  
PO Drawer 1657  
Tallahassee, FL 32302

Kenneth P. McNeely  
AT&T  
1200 Peachtree Street, NE  
Room 4048  
Atlanta, GA 30309

Charles V. Gerkin, Jr.  
Chorey, Taylor & Feil  
Suite 1700 The Lenox Bldg.  
3399 Peachtree Road, NE  
Atlanta, GA 30326

Michael S. Bradley  
Hicks, Maloof & Campbell  
Suite 2200  
285 Peachtree Ctr. Avenue  
Atlanta, GA 30303-1234

**Richard M. Rindler**  
**Swidler & Berlin**  
3000 K Street, NW; Suite 300  
Washington, DC 20007

**Peter C. Canfield**  
**Dow Lohnes & Albertson**  
One Ravinia Drive; Suite 1600  
Atlanta, GA 30346

**Pamela C. Mehon**  
**LCI International Telecom**  
8180 Greensboro Drive  
Suite 800  
McLean, VA 22102

**Sheryl A. Butler, Ofc. JAG**  
**Dept. Army Lit. Ctr.; Suite 713**  
901 N. Stuart Street  
Arlington, VA 22203-1837

**Enrico C. Soriano**  
**Kelley Drye & Warren**  
1200 19<sup>th</sup> Street, NW; Suite 500  
Washington, DC 20036

**James M. Tennant**  
**Low Tech Designs, Inc.**  
1204 Seville Street  
Georgetown, SC 29440

**Charles F. Palmer**  
**Troutman Sanders LLP**  
5200 NationsBank Plaza  
600 Peachtree Street, NE  
Atlanta, GA 30308-2216

**Peyton S. Hawes, Jr.**  
**1100 Candler Building**  
127 Peachtree Street, NE  
Atlanta, GA 30303-1810


**Steve Brown**  
**Intermedia Comm., Inc.**  
3625 Queen Palm Drive  
Tampa, FL 33619-1309

**Walt Sapronov**  
**Gerry, Friend & Sapronov, LLP**  
Three Ravinia Drive; Suite 1450  
Atlanta, GA 30346-2131

**Kent Heyman**  
**MGC Communications, Inc.**  
3165 Palms Centre Drive  
Las Vegas, NV 89103

**Brian Submonetti**  
**World Com**  
1515 S. Federal Highway  
Suite 400  
Boca Raton, FL 33432

So certified this 20th day of February, 1998.

  
Tiane L. Sommer  
Special Assistant Attorney General  
Counsel for the Staff  
State Bar No. 666930

c/o Georgia Public Service Commission  
47 Trinity Avenue, S.W., Rm. 542 H-8  
Atlanta, GA 30334  
(404) 657-2210

**REQUEST:** Please provide the BellSouth Service Quality Measurement Reports for Trunking Reports for MCI for June 1998 with an explanation of each report.

**RESPONSE:** Please find attached the reports requested and an explanation of what each report displays. The BellSouth Service Quality Measurements (SQM) Reports that respond to those described in Mr. Martinez's testimony on pages 15-17 are as follows:

- (i) "blockage data on all common trunk groups utilized for ALEC traffic that experienced blockage;" - Trunk Group Performance Report: Trunk Group Service (Summary) BellSouth Common Transport Trunk Group (CTTG) identifies the number of trunks with >2% blockage. The Trunk Group Performance Report: Trunk Group Service (Detail) identifies the specific trunks and the observed blockage.
- (ii) "blockage data on all of MCI's interconnection trunk groups from BellSouth's end offices and tandems to MCI's points of termination that experienced blockage;"- The CLEC Specific Trunk Group Performance Report: Trunk Group Service (Summary) identifies the number of trunks with >3% blockage. The Trunk Group Performance Report: Trunk Group Service (Detail) identifies the specific trunks and the observed blockage.
- (iii) "blockage data on all ALEC interconnection trunk groups from BellSouth's end offices and tandems to ALEC points of termination that experienced blockage;"- The Trunk Group Performance Report: Trunk Group Service (Summary) CLEC Aggregate identifies the number of trunks with >3% blockage for both BST administered and CLEC administered trunks. The Trunk Group Performance Report: Trunk Group Service (Detail) identifies the specific trunks and the observed blockage.

- (iv) "similar blockage data on all trunks carrying BellSouth local traffic." - The Trunk Group Performance Report: The Trunk Group Service (Summary) BellSouth Local Network identifies the number of trunks with >3% blockage for both BST administered trunks. The Trunk Group Performance Report: Trunk Group Service (Detail) identifies the specific trunks and the observed blockage.

**INFORMATION PROVIDED BY:**

William N. Stacy  
VP Interconnection Services  
675 West Peachtree Street  
Atlanta, GA 30375

BellSouth produces three blocking measurements as a part of its Service Quality Measurements package which incorporate all four of the reports requested by MCI. These reports are located on page 34 of BellSouth's current SQM and are described as follows:

1. Comparative Trunk Group Service Summary: Provides comparative measurements of the trunk groups which exceed the blocking threshold during their busy hours, as well as the total number of trunk groups measured.

2. Trunk Group Service Report: Contains the service performance results of all final trunk groups (both BST administered trunk groups and CLEC administered trunk groups) between Point of Termination (POT) and BST tandems or end offices, by region, by CLEC, CLEC Aggregate, and BST aggregate.

Specifically measures the total number of trunk groups, number of trunk groups measured, and the number of trunk groups which exceed the blocking threshold during their busy hours.

3. Trunk Group Service Detail: Provides a detailed list of all final trunk groups between POTs and BST end offices or tandems (A-end and Z-end for BST Local trunks) including the actual blocking performance when blocking exceeds the measured blocking threshold. The blocking performance includes the observed blocking number for a particular Trunk Group Serial Number (TGSN).

Blocking thresholds for all trunk groups are 3%, except BST CTTG, which is 2%.

Measured Blocking =  $\frac{\text{Total number of Blocked Calls}}{\text{Total number of Attempted Calls}} \times 100$ .

BellSouth began providing aggregate blocking reports in February and ALEC specific reports on June 15, 1998. This information is posted on the BellSouth ALEC Performance Measurement Internet web page by the fifteenth of each month for the previous months data.

AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST
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AL	NCI	ALBSALMADSO	BRHMALMTXVX	77PH5-EDG1	AF149551	72	72
			BRHMAL06CMD	77PH5-EDG1	AF141210	0	0
		ALCYALMTDSO	ANTNAL07DMD	77PH5-ED	AF143607	24	48
		ALVLMADSO	GSDALO4BMD	77PH5-ED	AF141762	48	48
		ANTNALLEDSDO	ANTNAL07DMD	77PH5-ED	AF143175	24	72
		ANTNALMTDSO	ANTNAL07DMD	77PH5-ED	AF143063	72	72
		ANTNALMTOGT	ANTNAL07DMD	77AF4-TDZORG	AF138724	120	96
				77DF4-TDZORG	AF149376	24	24
		ANTNALOXDSO	ANTNAL07DMD	77PH5-ED	AF143405	48	48
		ANTNAL07DMD	JCVLALMADSO	77PH-5ED	AF143415	24	24
			PLCYALXADSO	77PH-5ED	AF146987	24	24
			TLDGALMADSO	77PH-5ED	AF143706	24	24
		ARABALXADS1	GSDALO4BMD	77PH5-ED	AF144915	48	48
		ARABALXA02T	BRHMALMTXVX	77AF4-TDZORG	AF149553	48	48
			BRHMAL06CMD	77AF4-TDZORG	AF147324	0	0
		ATHNALMADSO	HNVIAL18AMD	77PH5-ED	AF143109	48	48
		AUBNALMADSO	OPLKALAFBMD	77PH5-ED	AF141782	144	168
		BOAZALMADSO	GSDALO4BMD	77PH5-ED	AF141725	24	48
		BRHMALCHDSO	BRHMALMTXVX	77PH5-EDG1	AF149566	96	120
			BRHMAL06CMD	77PH5-EDG1	AF141259	0	0
		BRHMALCP85E	BRHMALMTXVX	77PH5-EDG1	AF149567	48	48
			BRHMAL06CMD	77PH5-EDG1	AF141802	0	0
		BRHMALEL83E	BRHMALMTXVX	77PH5-EDG1	AF149568	24	48
		BRHMALEN78E	BRHMALMTXVX	77PH5-EDG1	AF149569	48	48
			BRHMAL06CMD	77PH5-EDG1	AF141803	0	0
		BRHMALEW95E	BRHMALMTXVX	77PH5-EDG1	AF149574	48	48
			BRHMAL06CMD	77PH5-EDG1	AF141790	0	0
		BRHMALFODSO	BRHMALMTXVX	77PH5-EDG1	AF149575	48	48
			BRHMAL06CMD	77PH5-EDG1	AF141789	0	0
		BRHMALFSDSO	BRHMALMTXVX	77PH5-ED	AF149577	96	96
			BRHMAL06CMD	77PH5-ED	AF133150	0	0
		BRHMALHWDSO	BRHMALMTXVX	77PH5-EDG1	AF149584	144	144
			BRHMAL06CMD	77PH5-EDG1	AF141225	0	0
		BRHMALHWOGT	BRHMALMTXVX	77AF4-TDZORG	AF149581	432	432
				77DF3-TDZORG	AF149582	24	24
			BRHMAL06CMD	77AF4-TDZORG	AF135202	0	0
				77DF3-TDZORG	AF149382	0	0
			TSCALBxBMD	77PH4-TDZORG	AF146230	48	48
		BRHMALMTDS1	BRHMALMTXVX	77PH5-EDG1	AF149594	144	214
			BRHMAL06CMD	77PH5-EDG1	AF141776	0	0
		BRHMALMTXVX	BRHMALMTOGT	77AF-3TDZORGG1	AF149591	552	576
				77DF-3TDZORG	AF149590	24	24
			BRHMALMT25E	77PH-5EDG1	AF149593	120	144
			BRHMALOMDSO	77PH-5EDG1	AF149595	120	168
			BRHMALOXDSO	77PH-5ED	AF149597	96	120
			BRHMALRCDSO	77PH-5ED	AF149598	192	192
			BRHMALTAB4E	77PH-5ED	AF149599	48	48
			BRHMALVA82E	77PH-5EDG1	AF149600	120	144
			BRHMALWE92E	77PH-5ED	AF149601	24	24
			BRHMALWLDSDO	77PH-5EDG1	AF149602	72	72
			BSMRALHTDSO	77PH-5EDG1	AF149555	48	48
			BSMRALMA42E	77PH-5ED	AF149556	48	48

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AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST
AL	MCI	BRHMALMTXVX	CLANALMADSO	77PH-5ED	AF149557	24	24
			CNTRALXE02T	77AF-4TDZORG	AF149558	24	24
			JSPRALMTDSO	77PH-5ED	AF149560	24	48
			LEDSALXBDSO	77PH-5ED	AF149561	72	48
			MNTVALNMDSO	77PH-5ED	AF152972	0	0
			PNSNALMADSO	77PH-5EDG1	AF149562	24	24
			SYLCALMTDSO	77PH-5ED	AF149563	24	24
			TSVLALXADSO	77PH-5ED	AF152949	0	24
			WRRRALNMDSO	77PH-5ED	AF149565	24	48
		BRHMALMT0GT	BRHMAL06CMD	77AF3-TDZORGG1	AF141625	0	0
				77DF3-OAZOTS	AF139420	0	0
				77DF3-TDZORG	AF149372	0	0
		BRHMALMT25E	BRHMAL06CMD	77PH5-EDG1	AF141806	0	0
		BRHMALOMDSO	BRHMAL06CMD	77PH5-EDG1	AF141195	0	0
		BRHMALOXDSO	BRHMAL06CMD	77PH5-ED	AF132961	0	0
		BRHMALRCDSO	BRHMAL06CMD	77PH5-ED	AF135382	0	0
		BRHMALTA84E	BRHMAL06CMD	77PH5-ED	AF143402	0	0
		BRHMALVA82E	BRHMAL06CMD	77PH5-EDG1	AF141494	0	0
		BRHMALWE92E	BRHMAL06CMD	77PH5-ED	AF140920	0	0
		BRHMALWLDSO	BRHMAL06CMD	77PH5-EDG1	AF141799	0	0
		BRHMAL06CMD	BSMRALHTDSO	77PH-5EDG1	AF141807	0	0
			BSMRALMA42E	77PH-5ED	AF142360	0	0
			CLANALMADSO	77PH-5ED	AF143029	0	0
			CNTRALXE02T	77AF-4TDZORG	AF149393	0	0
			JSPRALMTDSO	77PH-5ED	AF142347	0	0
			LEDSALXBDSO	77PH-5ED	AF147489	0	0
			PNSNALMADSO	77PH-5EDG1	AF141796	0	0
			SYLCALMTDSO	77PH-5ED	AF142403	0	0
			WRRRALNMDSO	77PH-5ED	AF144482	0	0
		BRTOALMADSO	MOBLALAZHMD	77PH5-ED	AF152718	24	24
		CLMNALMADSO	HNVIAL18AMD	77PH5-ED	AF141236	72	72
		CNTRALXEDSO	GSDAL04BMD	77PH5-ED	AF149394	24	24
		DCTRALMTDSO	HNVIAL18AMD	77PH5-ED	AF140851	72	72
		DMPALMADSO	MTGMAL05AMD	77PH5-ED	AF142698	24	24
		DTHNALXA03T	MTGMAL05AMD	77DF4-TDZORG	AF146760	264	264
			MTGMAL05TMD	77DF4-TD	AF147039	24	24
		EUFLALMADSO	OPLKALAFBMD	77PH5-ED	AF144267	24	24
		FLRNALMADSO	FLRNAL04AMD	77PH5-ED	AF143409	72	120
		FLRNAL04AMD	HNVIALUNOGT	77IH-4TDZORGG1	AF139002	48	48
			RLVLALMADSO	77PH-5ED	AF143060	24	24
			SHFDALMTDSO	77PH-5ED	AF141229	72	96
		FOLYALXA01T	MOBLALAZHMD	77DF4-TDZORG	AF151303	96	96
			MOBLAL06AMD	77DF4-TDZORG	AF145160	0	0
			MOBLAL06UMD	77AF4-TDCM2ORIG	AF147187	0	0
		FRHPALMADSO	MOBLALAZHMD	77PH5-ED	AF152711	24	24
		FTPYALMADSO	GSDAL04BMD	77PH5-ED	AF141727	24	48
		GSDALHSDSO	GSDAL04BMD	77PH5-ED	AF141729	24	24
		GSDALMTDSO	GSDAL04BMD	77PH5-ED	AF141731	144	144
		GSDALMT01T	GSDAL04BMD	77AF4-TD	AF149375	24	24
				77AF4-TDZORG	AF141723	72	72
		GSDALRDDS0	GSDAL04BMD	77PH5-ED	AF141735	24	24
		GSDAL04BMD	RNVLALXADS1	77PH-5ED	AF147718	72	72



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AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST		
AL	MCI	HNVIALLWDSO	HNVIAL18AMD	77PH5-ED	AF135374	72	120		
		HNVIALLMTDSO	HNVIAL18AMD	77PH5-ED	AF134281	120	120		
		HNVIALLPWDSO	HNVIAL18AMD	77PH5-ED	AF134586	96	120		
		HNVIALLRADSO	HNVIAL18QMD	77PH5-ED	AF144266	24	24		
		HNVIALLRWDSO	HNVIAL18AMD	77PH5-ED	AF140235	24	24		
		HNVIALLUNDSO	HNVIAL18AMD	77PH5-ED	AF141066	120	120		
		HNVIALLUNOGT	HNVIAL18AMD	77AF4-TD	AF132472	456	456		
					77DF4-OAZOTS	AF139422	0	0	
					77DF4-TDZORG	AF149378	24	24	
				HNVIAL18AMD	MDSNALNMDSO	77PH5-ED	AF134721	48	48
				MOBLALAPDSO	MOBLALAZHMD	77PH5-ED	AF152731	48	48
				MOBLALAZDSO	MOBLALAZHMD	77PH5-EDG1	AF151302	120	120
					MOBLAL06AMD	77PH5-EDG1	AF142112	0	0
				MOBLALAZHMD	MOBLALAZOGT	77AF-3TD	AF152704	384	264
						77DF-3TDZORG	AF151308	24	24
					MOBLALOS47E	77PH-5ED	AF152708	96	96
					MOBLALPR45E	77PH-5ED	AF152727	0	48
					MOBLALSADSO	77PH-5ED	AF152732	24	24
					MOBLALSEDSO	77PH-5ED	AF152709	24	24
					MOBLALSFDSDO	77PH-5ED	AF152729	24	24
					MOBLALSH34E	77PH-5ED	AF152710	96	24
					MOBLALSKDSO	77PH-5ED	AF151305	96	144
				MOBLALAZOGT	MOBLAL06AMD	77DF3-TDZORG	AF149379	0	0
				MOBLALSKDSO	MOBLAL06AMD	77PH5-ED	AF147247	0	0
				MTGMALDADSO	MTGMAL05AMD	77PH5-ED	AF135743	240	240
				MTGMALMTDSO	MTGMAL05AMD	77PH5-ED	AF152916	0	24
				MTGMALMTOGT	MTGMAL05AMD	77AF3-TD	AF134379	168	168
						77DF3-OAZOTS	AF139423	0	0
						77DF3-TDZORG	AF149377	24	24
					OPLKALAFBMD	77IH3-TDZORG	AF141800	120	120
				MTGMALMT26E	MTGMAL05AMD	77PH5-ED	AF138252	144	144
				MTGMALNO28E	MTGMAL05AMD	77PH5-ED	AF138211	108	108
				MTGMAL05AMD	PRVLALMADSO	77PH-5ED	AF148075	48	48
					SELMALMTDSO	77PH-5ED	AF138245	48	96
					TROYALMADSO	77PH-5ED	AF142340	24	24
					WTMPALMADSO	77PH-5ED	AF140494	48	48
				OPLKALAFBMD	OPLKALMTDSO	77PH-5ED	AF141784	96	96
				RFRMALXADSO	TSCLALBxBMD	77PH5-ED	AF152941	0	24
				TSCLALBxBMD	TSCLALDHDSDO	77PH-5ED	AF146240	72	72
					TSCLALMT75E	77PH-5ED	AF146239	168	168
					TSCLALNODSO	77PH-5ED	AF146241	24	48
			TEM	ANTNALMTOGT	ANTNAL07JMD	77AF4-TDCM2ORIG	AF144197	24	24
				BRHMALHWOGT	BRHMALMTX3X	7-AF4-TDCM2ORIG	AF149687	24	24
					BRHMAL06XHX	7-AF4-TDCM2ORIG	AF144243	0	0
				BRHMALMTOGT	BRHMALMTX3X	7-AF3-TDCM2ORIG	AF149688	24	24
				FOLYALXA01T	MOBLALAZOMD	77AF4-TDCM2ORIG	AF151351	24	24
				GSDALMT01T	GSDAL04DMD	77AF4-TDCM2ORIG	AF144200	24	24
				HNVIALLUNOGT	HNVIAL18XCX	77AF4-TDCM2ORIG	AF144192	24	24
				MOBLALAZOMD	MOBLALAZOGT	77AF-3TDCM2ORIG	AF152702	24	24
				MTGMALMTOGT	MTGMAL05TMD	77AF3-TDCM2ORIG	AF144196	24	24
FL	MCI	JFVLI01DSO	LSVLKYAPEMD	77PH5-ED	AF147464	96	96		
GA	MCI	ACWOGAMA97E	SMYRGACSI1MD	77PH5-ED	AC176140	48	48		

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AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST
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GA	MCI	AGSTGAU86C	AGSTGABB1MD	77PH5-ED	AC195267	240	240
		AGSTGABBEMD	AGSTGAMT03T	77DF-4TDCM2ORIG	AC194644	24	24
		AGSTGABB1MD	AGSTGAFL79C	77PH-5ED	AC195339	144	120
			AGSTGAMT03T	77AF-4TDZORG	AC198195	24	24
				77IH-4TD	AC189311	168	168
			AGSTGAMT72C	77PH-5ED	AC195320	120	96
			AGSTGAMT84A	77PH-5ED	AC195260	24	24
			AGSTGATH73C	77PH-5ED	AC195488	120	120
			AIKNSCMA64E	77PH-5ED	AC190185	120	120
			NAGSSCMA27E	77PH-5ED	AC190187	72	72
			THSNGAMA59C	77PH-5ED	AC196259	48	48
			WYBOGAES55A	77PH-5ED	AC185801	72	72
		ALBYGACRXKX	ALBYGAMA03T	77DF-3TD	AC194536	24	24
		ALBYGACR2MD	ALBYGAMA03T	77AF-3TDZORG	AC198184	24	24
				77AF-3TDZORGG1	AC185732	264	264
				77PH-3OAZOTS	AC183891	0	0
			ALBYGAMA45A	77PH-5ED	AC191384	24	24
			ALBYGAMA88C	77PH-5ED	AC190046	192	288
			AMRCGAMADS1	77PH-5ED	AC190121	48	72
			BLKLGAXA01T	77AF-4TDZORG	AC193877	48	48
			BNBRGAMA24E	77PH-5ED	AC190076	48	48
			CAIRGAXADS1	77AF-5ED	AC191377	24	24
			CMLLGAMA33E	77PH-5ED	AC191537	24	24
			CORDGAMA27C	77PH-5ED	AC190106	48	48
			CTHBGAXADS1	77PH-5ED	AC191546	24	24
			FTZGGAXADS0	77PH-5ED	AC191831	48	48
			FTZGGAXADS1	77PH-5ED	AC191634	48	48
			MLTRGAXADS0	77PH-5ED	AC192020	48	48
			MLTRGAXADS1	77PH-5ED	AC192581	24	24
			SYLVGAES77A	77PH-5TD	AC200855	24	24
			TFTNGAMA38C	77PH-5ED	AC190122	72	96
			THVLGAMA22C	77PH-5ED	AC190120	72	96
			VLDSGAMA02T	77DF-4TDZORG	AC198227	24	24
				77IH-4TDZORG	AC192343	72	96
			VLDSGAMA03T	77AF-4TDZORG	AC202717	0	72
				77DF-4TDZORG	AC202718	0	24
		ALBYGACR3MD	VLDSGAMA02T	77AF-4TD	AC204526	48	48
		ALPRGAMA47C	DNWDGAMC1MD	77IH5-ED	AC176115	480	480
		ASTLGAMA94F	DGVLGAI1MD	77PH5-ED	AC181142	96	120
		ATHNGAMADS1	ATHNGAMA3MD	77PH5-ED	AC191378	264	264
		ATHNGAMA02T	ATHNGAMA3MD	77AF4-TDZORG	AC191361	168	168
			NRCRGATR1MD	77DF4-TD	AC198234	24	24
		ATHNGAMA3MD	CMRCGAXADS1	77DF-5ED	AC192720	120	120
			CRNVGAXADS0	77PH-5ED	AC203888	0	24
			EBTNGAMA28A	77PH-5EDZORG	AC191369	24	24
			MDSNGAMA34E	77PH-5EDZORG	AC191394	48	96
			WASHGAXA02T	77AF-4TD	AC191707	48	48
				77AF-4TDZORG	AC200164	48	96
			WASHGAXA678	77PH-4ED	AC201942	24	24
			WTVLGAESDS1	77PH-5EDZORG	AC202016	0	24
		ATLNGAAD69F	ATLNGACS3MD	77PH5-ED	AC189226	72	144
		ATLNGABH34F	ATLNGACS3MD	77PH5-ED	AC189227	72	72

AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST
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GA	MCI	ATLNGABUBMD	ATLNGABUDS2	77DF-5ED	AC202258	240	240
			ATLNGABUB4C	77PH-5EDZORG	AC202265	168	96
		ATLNGABUDS2	ATLNGAPX2MD	77PH5-ED	AC171384	0	0
		ATLNGABU01T	ATLNGACS3MD	77AF3-TD	AC189233	0	0
			ATLNGALH1MD	77AF3-TD	AC202473	72	72
			ATLNGAPX2MD	77AF3-TD	AC175064	1662	1662
				77AF3-TDZORG	AC198179	72	72
			ATLNGAPX9MD	77AF3-TD	AC201649	0	24
			DGVLGAI1MD	77IH3-TD	AC184715	192	192
			DLTNGABN1MD	77AF3-TD	AC188722	168	120
			DNWDGAMC1MD	77IH3-TD	AC174923	600	600
			SMYRGACS1MD	77IH3-TD	AC175428	336	336
		ATLNGABU23F	ATLNGAPX2MD	77PH5-ED	AC182555	0	0
		ATLNGABUB4C	ATLNGACS3MD	77PH5-EDZORG	AC189239	0	0
		ATLNGACD28F	ATLNGACS3MD	77PH5-EDZORG	AC189241	72	72
		ATLNGACSDS3	ATLNGACS3MD	77PH5-ED	AC189261	264	432
		ATLNGACS3MD	ATLNGACS33A	77PH-5ED	AC189248	48	96
			ATLNGACS65C	77PH-5EDZORG	AC189259	48	96
			ATLNGAEP64A	77PH-5ED	AC189266	264	216
			ATLNGAFP36F	77PH-5ED	AC189268	96	96
			ATLNGAGR24F	77PH-5ED	AC187824	48	48
			ATLNGAHR79E	77PH-5ED	AC189289	48	48
			ATLNGA1C29A	77PH-5EDZORG	AC189292	120	144
			ATLNGALADS1	77PH-5ED	AC189300	48	72
			ATLNGAPPDS2	77PH-5ED	AC190609	0	0
			ATLNGAPP34A	77AF-5ED	AC190738	72	144
			ATLNGATH78A	77PH-5ED	AC189295	288	288
			ATLNGAWD35F	77PH-5EDZORG	AC189291	120	120
			ATLNGAWE75F	77PH-5ED	AC189288	72	96
			CNYRGAMA48F	77PH-5ED	AC189286	72	168
			CRVLGAMA38C	77PH-5ED	AC189284	48	72
			CVTNGAMT78C	77PH-5ED	AC189282	24	48
			GSVLGAMADS1	77PH-5ED	AC202041	0	120
			GSVLGAMA02T	77AF-4TDZORG	AC189271	192	192
			GSVLGAMA03T	77AF-4TDZORG	AC202184	0	192
			GSVLGAMA53C	77PH-5ED	AC189252	96	120
			MCDNGAGS95A	77PH-5EDZORG	AC189272	48	24
			NRCRGAMA01T	77PH-4TD	AC189267	96	72
			PANLGAMA98F	77PH-5ED	AC189274	120	144
			RVDLGAMA99A	77PH-5ED	AC189276	96	96
			STBRGANH47C	77PH-5ED	AC189277	48	48
		ATLNGAEL37C	ATLNGAPX2MD	77PH5-EDZORG	AC179878	72	72
		ATLNGAEP01T	ATLNGAPX2MD	77AF4-TD	AC204426	0	24
				77AF4-TDZORG	AC204375	0	552
		ATLNGAPPBMD	ATLNGAPPDS2	77PH-5ED	AC202223	336	336
		ATLNGAPX2MD	ATLNGAWE75F	77PH-5ED	AC180697	0	0
			GSVLGAMA02T	77DF-4TD	AC198223	24	24
			GSVLGAMA03T	77DF-4TD	AC202875	0	24
			JNBOGAMA47F	77PH-5ED	AC176107	72	144
			WNRGAXA02T	77AF-4TDZORGG1	AC189117	48	96
		ATLNGASSDS1	DNWDGAMC1MD	77PH5-ED	AC186005	336	408
		ATLNGASS25F	DNWDGAMC1MD	77PH5-ED	AC186004	0	0

AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST
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GA	MCI	BLRGAXADS0	DLTNGABN1MD	77DF55ED	AC203698	24	24
		BRMNGAES53A	DGVLGAI1MD	77PH5-ED	AC189911	24	48
		BRWKAMA26C	SVNHGAMS1MD	77PH5-ED	AC192541	168	192
		BXLYGAES36A	SVNHGAMS1MD	77PH5-ED	AC192874	72	72
		BYRNGAXADS1	MACNGAVAPMD	77PH5-ED	AC196069	24	24
		CHMBGAMADS0	DNWDGAMC1MD	77PH5-ED	AC179217	264	264
		CLEVGAAX01T	SMYRGACS1MD	77AF4-TDZORG	AC191663	168	168
				77DF4-TDZORG	AC198304	0	24
			SMYRGAPF7MD	77DF4-TD	AC198366	24	24
		CLHNGAESDS1	DLTNGABN1MD	77PH5-ED	AC202665	48	48
		CLMBGABV68C	CLMBGAFN2MD	77PH5-ED	AC178914	0	0
			CLMBGAMT9MD	77PH5-ED	AC201595	144	96
		CLMBGAFN2MD	CLMBGAMT01T	77AF-4TDZORG	AC178806	0	0
				77DF-4OAZOTS	AC180578	0	0
				77DF4-TD	AC198194	0	0
			CLMBGAMT32C	77PH-5EDZORG	AC178917	0	0
			CLMBGAMT64A	77PH-5ED	AC186226	0	0
			CLMBGAMW56C	77PH-5ED	AC179272	0	0
			PHCYALMADS0	77PH-5ED	AC189698	72	72
		CLMBGAMTMD	CLMBGAMT01T	77DF-4TDCM2ORTG	AC201451	24	24
		CLMBGAMT01T	CLMBGAMT9MD	77AF4-TD	AC201454	168	168
				77DF4-OAZOTS	AC201559	24	24
				77DF4-TD	AC201598	24	24
			LGRNGAFN2MD	77PH4-TDZORG1	AC183333	48	48
		CLMBGAMT32C	CLMBGAMT9MD	77PH5-EDZORG	AC201438	192	168
		CLMBGAMT64A	CLMBGAMT9MD	77PH5-ED	AC201439	48	24
		CLMBGAMT9MD	CLMBGAMW56C	77PH-5TD	AC201404	144	96
			PHCYALMADS0	77PH-5ED	AC201452	96	96
		CMNGGAMA88C	NRCRGATR1MD	77PH5-ED	AC178444	144	144
		CNTNGAXADS0	DNWDGAMC1MD	77PH5-ED	AC191487	48	48
		CNTNGAXADS1	DNWDGAMC1MD	77PH5-ED	AC195514	24	24
		CNVLGAXADS1	MACNGAVAPMD	77PH5-ED	AC196068	0	0
		CRTNGAMA83C	NWNGAFN2MD	77PH5-ED	AC187962	48	48
		DBLNGAMA27C	MACNGAVAPMD	77PH5-EDG1	AC182679	120	120
		DGLSGAXADS0	SVNHGAMS1MD	77PH5-ED	AC192095	48	48
		DGVLGAI1MD	DGVLGAMA94F	77PH-5ED	AC176142	72	96
			DLLSGAES44A	77PH-5ED	AC185908	24	48
			FRBNGAEB96A	77PH-5ED	AC187991	48	48
			PWSPGAAS94A	77PH-5ED	AC189662	48	48
		DLTNGABN1MD	ROMEGATL29A	77PH-5ED	AC186303	96	96
		DNWDGAMC1MD	NRCRGAMA01T	771H-4TD	AC187126	240	240
			RSWLGAMADS1	77PH-5ED	AC185552	312	504
			TOCCGAXADS0	77PH-5ED	AC191611	24	24
		FTVYGAMA82C	MACNGAVAPMD	77PH5-EDG1	AC182680	24	24
		FYVLGASG46A	NWNGAFN2MD	77PH5-ED	AC178154	48	72
		GRAYGAXADS0	MACNGAVAPMD	77PH5-ED	AC196063	24	24
		GRDNGAXADS1	MACNGAVAPMD	77PH5-ED	AC204390	0	24
		GRFNGAMA22C	NWNGAFN2MD	77PH5-ED	AC178108	72	72
		GSVLGAMA53C	NRCRGATR1MD	77DF5-ED	AC183352	0	0
		HRWLGAXASNT	HRWLGAXA37A	77PH-5ED	AC203648	0	48
		HWVLGAXA02T	MACNGAVAPMD	77DF3-TD	AC203877	48	48
		IRTNAGAXADS1	MACNGAVAPMD	77PH5-ED	AC204548	0	24

AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST
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GA	MCI	IRTNAXA01T	MACNGAVAPMD	77AF4-TDZORG	AC194123	48	48
		LAVNGAXADS0	NRCRGATR1MD	77PH5-ED	AC202998	0	24
		LGRNGAFN2MD	LGRNGAMA88C	77PH-5ED	AC179216	96	96
			THTNGAXADS1	77PH-5ED	AC190549	24	48
		LKPKGAMA55C	VLDSGAAT3MD	77PH5-ED	AC189602	0	24
			VLDSGAAW4MD	77PH5-ED	AC204173	24	24
		LLBNGAMADS1	NRCRGATR1MD	77PH5-ED	AC185310	216	312
		LLBNGAMA92F	NRCRGATR1MD	77PH5-ED	AC187988	0	0
		LRVLGAOSDS1	NRCRGATR1MD	77PH5-ED	AC190027	192	240
		LTHNGAJS48C	NRCRGATR1MD	77PH5-ED	AC184600	24	24
		MACNGAGA2MD	MACNGAMT04T	77AF-4TD	AC193614	48	48
				77AF-4TDZORG	AC183845	240	240
			MACNGAVN47C	771H-5ED	AC189861	48	92
			RNTZGAXA01T	77DF-4TD	AC196461	48	48
		MACNGAGP78C	MACNGAVAPMD	77PH5-EDG1	AC182678	72	92
		MACNGAMT04T	MACNGAVAPMD	77AF4-TD	AC193600	0	0
				77AF4-TDZORG	AC178320	0	0
				77DF4-TD	AC198197	24	24
		MACNGAMT74C	MACNGAVAPMD	77PH-5EDZORG1	AC182434	168	216
		MACNGAMT75A	MACNGAVAPMD	77PH5-ED	AC186026	24	72
		MACNGAVAPMD	MACNGAVN47C	77PH-5EDZORG1	AC182435	144	144
			MDVLGAXADS0	77PH4-ED	AC196353	96	96
			MTZMGAXA47C	77PH-5ED	AC191738	24	72
			PRRYGAXADS0	77PH-5ED	AC196081	72	72
			WRRBGAMA92C	77PH-5EDG1	AC182717	96	96
		MACNGA015MD	RNTZGAXA01T	77AF-4TD	AC205340	0	48
		MRTTGAE97F	SMYRGACS1MD	77PH5-EDZORG1	AC185763	192	288
		MRTTGAMA42G	SMYRGACS1MD	77PH5-ED	AC185553	432	480
		NRCRGAMA01T	NRCRGATR1MD	77AF4-TD	AC187097	696	768
				77AF4-TDZORG	AC198199	48	48
			NRCRGATR3MD	77AF4-TDZORG	AC190260	0	0
		NRCRGATR1MD	SNMTGALRDS1	77PH-5ED	AC188178	72	72
			TUKRGAMADS2	77PH-5ED	AC177825	168	264
			WDRGAXADS0	77PH-5ED	AC191351	48	48
		NSVLGAXADS0	VLDSGAAT3MD	77PH5-ED	AC192097	0	24
			VLDSGAAW4MD	77PH5-ED	AC203980	24	24
		NWNGAFN2MD	NWNGAMA25C	77PH-5ED	AC178156	72	72
			PTCYGAMA48C	77PH-5ED	AC178155	48	96
		PMBRGAXA01T	SVNHGAMS1MD	77DF4-TDZORG	AC194555	24	24
		RNCNGAXADS0	SVNHGAMS1MD	77DF5-ED	AC195345	24	24
		SMYRGACS1MD	SMYRGAMADS1	77PH-5ED	AC181745	288	312
			SMYRGAPF95C	77PH-5EDG1	AC186158	648	672
			WDSTGACR92E	77PH-5EDG1	AC185926	192	216
		STMYGAXADS1	SVNHGAMS1MD	77PH5-ED	AC191964	96	96
		STMYGAXA01T	SVNHGAMS1MD	77DF4-TD	AC191618	48	48
		SVNHGABS03T	SVNHGAMS1MD	77AF3-TD	AC191383	360	360
				77AF3-TDZORG	AC198178	24	24
		SVNHGABS23A	SVNHGAMS1MD	77PH5-ED	AC192544	144	168
		SVNHGABS65A	SVNHGAMS1MD	77PH5-ED	AC192432	24	48
		SVNHGADE35C	SVNHGAMS1MD	77PH5-ED	AC192476	120	120
		SVNHGAGC96A	SVNHGAMS1MD	77PH5-ED	AC192486	72	72
		SVNHGAMS1MD	SVNHGAWB92C	77PH-5ED	AC192484	120	144

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AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST		
GA	MCI	SVNHGAMS1MD	SVNHGAW189A	77PH-5ED	AC192411	48	48		
			WYCRGAMA02T	77AF-4TDZORG	AC198193	24	24		
				77PH-4TDZORG	AC179633	168	168		
			VLDSGAAT3MD	VLDSGAMADS1	77PH-5ED	AC201868	0	144	
				VLDSGAMA24C	77PH-5ED	AC189609	0	144	
			VLDSGAAW4MD	VLDSGAMADS1	77PH-5ED	AC204345	0	144	
				VLDSGAMA02T	77AF-4TD	AC204212	24	24	
					77DF-4TD	AC204172	96	96	
				VLDSGAMA03T	77PH-4TD	AC204346	0	96	
				VLDSGAMA24C	77PH-5ED	AC204174	144	144	
			TEM	ATHNGAMA02T	DNWDGAMC1MD	77DF4-TDCM2ORIG	AC190555	48	48
				ATLNGABU01T	ATLNGACS9MD	77DF3-TDCM2ORIG	AC190509	24	24
			ATLNGACS9MD	GSVLGAMA02T	77DF-4TDCM2ORIG	AC190533	24	24	
				GSVLGAMA03T	77DF-4TDCM2ORIG	AC202185	0	24	
				WNRGAXA02T	77DF-4TD	AC190836	24	24	
			ATLNGAEP01T	ATLNGAPXXMD	77DF4-TD	AC204423	0	24	
			CLEVGAXA01T	NRCRGATR5MD	77DF4-TDCM2ORIG	AC194798	24	24	
			CLMBGAFNBMD	CLMBGAMT01T	77DF-4TDCM2ORIG	AC190506	0	0	
			MACNGAGAMMD	MACNGAMT04T	77DF-4TDCM2ORIG	AC190510	24	24	
			NRCRGAMA01T	NRCRGATR5MD	77DF4-TDCM2ORIG	AC190504	24	24	
			SVNHGABS03T	SVNHGAMSMMD	77DF3-TDCM2ORIG	AC194797	24	24	
			VLDSGAAT4MD	VLDSGAMA02T	77DF-4TDCM2ORIG	AC190511	0	24	
				VLDSGAMA03T	77DF-4TDCM2ORIG	AC202776	0	24	
			VLDSGAAW4MD	VLDSGAMA03T	77DF-4TD	AC204344	0	24	
KY	MCI	ASLDKYXADS0	WNCHKY23MMD	77PH5-ED	AF141665	24	72		
		ASLDKYXA03T	WNCHKY23MMD	77DF4-TDZORG	AF134291	120	96		
				77DF4-TDZ950	AF149332	12	12		
			AUBNKYXA1GT	OWBOKY22MMD	77AF4-TD	AF147567	48	72	
			BRTWKYESDS0	LSVLKYAPEMD	77PH5-ED	AF146132	24	48	
			BWLKGYMADS0	OWBOKY22MMD	77PH5-ED	AF141308	144	192	
			BWLKGYMA01T	OWBOKY22MMD	77AF4-TDZORG	AF128105	192	192	
					77DF4-TDZ950	AF149343	24	24	
				CMVLKYXADS0	LSVLKY89AMD	77PH5-ED	AF147758	24	24
				CRBNKYMADS0	WNCHKY23MMD	77PH5-ED	AF139897	96	96
				CYNTKYMADS0	WNCHKY23MMD	77PH5-ED	AF148547	24	24
				DAVLKYMADS0	WNCHKY23MMD	77PH5-ED	AF141496	24	72
				DAVLKYMA01T	WNCHKY23MMD	77AF4-TD	AF128463	192	192
						77DF4-TDORIG	AF149311	12	12
				EZTWKYXADS0	LSVLKY89AMD	77PH5-ED	AF141309	72	72
				EZTWKYXA05T	LSVLKY89AMD	77AF4-TD	AF133810	168	216
						77DF4-TDZ950	AF149333	24	24
				FLDLKYXA1GT	PDCHKY24BMD	77DF4-TD	AF135240	96	96
						77DF4-TDZORG	AF147238	48	72
				FMBGKYXADS0	WNCHKY23MMD	77PH5-ED	AF146086	24	24
				FRFTKYMADS0	FRFTKY281MD	77PH5-ED	AF140536	120	144
				GLSGKYXADS0	LSVLKY89AMD	77PH5-ED	AF146761	24	48
				GLSGKYXRDS0	LSVLKY89AMD	77PH5-ED	AF151255	0	24
				GLSGKYXR01T	LSVLKY89AMD	77AF4-TD	AF148263	48	48
					LSVLKY89DMD	77DF4-TD	AF148574	24	24
				GNVLKYMADS0	MDVIKY24CMD	77PH5-ED	AF148983	24	24
					OWBOKY22MMD	77PH5-ED	AF142435	0	0
				GRTWKYMADS0	LXTNKYEMMMD	77PH-5ED	AF143401	72	72

AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST		
KY	MCI	GYSNKYXADSO	WNCHKY23MMD	77PH5-ED	AF146083	24	0		
		HNMNKYXB1GT	WNCHKY23MMD	77DF4-TD	AF148264	48	48		
				77DF4-TDZORG	AF150114	0	48		
		HNSNKYMADSO	OWBOKY22MMD	77I1H5-ED	AF137003	72	96		
		HPVLKYMADSO	MDVIKY24CMD	77PH5-ED	AF148984	48	72		
				77PH5-ED	AF140706	0	0		
		HRCVKYXA01T	OWBOKY22MMD	77DF4-TD	AF143606	96	96		
		HYDNKYXADSO	WNCHKY23MMD	77PH5-ED	AF152504	0	24		
		HZRDKYXADSO	WNCHKY23MMD	77PH5-ED	AF143207	24	24		
		LACTKYXA01T	PDCHKY24BMD	77AF4-TDZORG	AF148670	48	48		
		LBNNKYXADSO	LSVLKY89AMD	77PH5-ED	AF146852	24	24		
		LSVLKYANDSO	LSVLKYWE5MD	77PH5-ED	AF147440	120	144		
		LSVLKYAPDSO	LSVLKYAPEMD	77PH5-ED	AF146152	288	360		
		LSVLKYAPEMD	LSVLKYAP2GT	77AF-4TDZORG	AF146149	359	240		
				77DF-4TDZ950	AF149324	24	24		
				LSVLKYBECGO	77PH-5ED	AF146159	120	120	
				LSVLKYBEDSO	77PH-5ED	AF152266	0	120	
				LSVLKYBRDSO	77PH5-ED	AF146198	120	192	
				LSVLKYJTDSD	77PH-5ED	AF146162	48	72	
				LSVLKYSHDSO	77PH-5ED	AF146163	48	120	
				LSVLKYTSCGO	77PH-5ED	AF146166	72	96	
				LSVLKYVSDSO	77PH-5ED	AF146167	48	48	
				LSVLKY2677E	77PH-5ED	AF146143	48	72	
				NWALIN01DS1	77PH5-ED	AF147457	120	120	
				NWALIN0111T	77AF-4TDORIG	AF147934	144	0	
				LSVLKYAP2GT	LSVLKY89AMD	77I1H4-TDZORG	AF131863	192	192
				LSVLKYCWDSO	LSVLKYWE5MD	77PH5-ED	AF147441	24	48
				LSVLKYFCDSO	LSVLKY89AMD	77PH5-ED	AF141219	24	48
				LSVLKYOACGO	LSVLKY89AMD	77PH5-ED	AF131865	96	96
				LSVLKYSLDSO	LSVLKY89AMD	77PH5-ED	AF136550	96	120
				LSVLKYSMCGO	LSVLKYWE5MD	77PH-5ED	AF147442	120	144
				LSVLKYWEDSO	LSVLKYWE5MD	77PH4-ED	AF147447	192	240
				LSVLKYWE1GT	LSVLKYWE5MD	77AF4-TDZORG	AF147445	216	216
						77DF4-TDZ950	AF149320	24	24
				LSVLKYWE5MD	SHVLKYMADSO	77PH-5ED	AF147438	48	72
				LSVLKY89AMD	LTFDKXADSO	77PH-5ED	AF146094	24	0
					MTWSKYXADSO	77PH-5ED	AF152763	0	24
					RDCLKYXADSO	77PH-5ED	AF146036	48	48
					RDCLKYXA1GT	77DF-4TDZORG	AF142451	48	24
					RSSPKYXADS1	77PH-4ED	AF152500	0	24
					RSSPKYXA01T	77DF-4TD	AF137573	0	0
					RSSPKYXA02T	77AF-4TDORIG	AF150468	48	48
					SCVLKYXRDS1	77PH-5ED	AF152555	0	24
					SHPVKYXADSO	77PH-5ED	AF151439	24	24
					ZNTNKYXADS1	77PH-5ED	AF150393	24	48
				LXTNKYEMMMD	RCMDKYMADSO	77PH-5ED	AF143223	48	144
				MCKEKYXA1GT	WNCHKY23MMD	77DF4-TDORIG	AF148096	24	24
				MDVIKYMADSO	MDVIKY24CMD	77PH5-ED	AF148986	48	72
					OWBOKY22MMD	77PH5-ED	AF142217	0	0
				MDVIKYMA02T	MDVIKY24CMD	77AF3-TDZORG	AF149014	144	144
				77DF3-TDZ950	AF149350	24	24		
			OWBOKY22MMD	77AF3-TDZORG	AF137450	0	0		

AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST			
KY	MCI	MDVIKYMA02T	PDCHKYQA4MD	77IH3-TDZORG	AF139528	120	120			
		MEDSKYXADSO	WNCHKY23MMD	77PH5-ED	AF146881	24	24			
		MRHDKYXADSO	WNCHKY23MMD	77PH5-TD	AF142498	24	24			
		MRHDKYXA02T	WNCHKY23MMD	77DF4-TDZORG	AF134279	72	72			
					77DF4-TDZ950	AF149352	12	12		
				MRRYKYMADSO	PDCHKY24BMD	77PH5-ED	AF141109	24	48	
				MTSTKYMADSO	WNCHKY23MMD	77PH5-ED	AF148454	24	24	
				MYFDKYMADSO	PDCHKY24BMD	77PH5-ED	AF141913	48	72	
				OWBOKYMADSO	OWBOKY22MMD	77PH5-ED	AF150633	72	72	
				OWBOKYMADS1	OWBOKY22MMD	77PH5-ED	AF136051	144	240	
				OWBOKYMA1GT	OWBOKY22MMD	77AF4-TDZORG	AF136603	192	120	
						77DF4-TDZ950	AF149325	12	12	
				OWBOKY22MMD	SMGVKYXADSO	77PH-5ED	AF153005	0	24	
				PARSKYMADSO	WNCHKY23MMD	77PH5-ED	AF148455	24	24	
				PDCHKYL0DSO	PDCHKY24BMD	77PH5-ED	AF142051	48	96	
				PDCHKYMADSO	PDCHKY24BMD	77PH5-ED	AF140579	96	120	
				PKVLKYMADSO	WNCHKY23MMD	77PH5-ED	AF136994	72	120	
				RSSLKYXBDSO	WNCHKY23MMD	77PH5-ED	AF144352	24	24	
				SFVLKYXADS1	WNCHKY23MMD	77PH5-ED	AF142668	24	24	
				SFVLKYXA1GT	WNCHKY23MMD	77AF4-TD	AF142693	48	48	
						77DF4-TD	AF149970	0	48	
				SNTNKYMADSO	WNCHKY23MMD	77PH5-ED	AF148632	24	24	
				WLBTKYXA01T	WNCHKY23MMD	77AF4-TDORIG	AF148228	48	48	
				WNCHKYMADSO	WNCHKY23MMD	77PH5-ED	AF138908	48	72	
				WNCHKYMA02T	WNCHKY23MMD	77AF3-TDZORG	AF137445	240	312	
						77DF3-TD	AF135662	312	384	
						77DF3-TDZ950	AF149326	24	24	
		TEM		ASLDKYXA03T	WNCHKY23QMD	77DF4-TDCM2ORIG	AF144387	24	24	
				BWLGKYMA01T	OWBOKY22XAX	77DF4-TDCM2ORIG	AF144161	24	24	
				DAVLKYMA01T	WNCHKY23QMD	77DF4-TDCM2ORIG	AF144165	24	24	
				EZTWKYXA05T	LSVLKY89DMD	77DF4-TDCM2ORIG	AF144395	24	24	
				HRCVKYXA01T	OWBOKY22XAX	77DF4-TDCM2ORIG	AF144523	24	24	
				LSVLKYAPKMD	LSVLKYAP2GT	77AF-4TDCM2ORIG	AF146194	24	24	
				LSVLKYWE1GT	LSVLKYWE6MD	77AF4-TDCM2ORIG	AF147459	24	24	
				LSVLKY89DMD	RDCLKYXA1GT	77DF-4TDCM2ORIG	AF144524	24	24	
				MDVIKYMA02T	MDVIKY24DMD	77DF3-CM2ORIG	AF149001	24	24	
					OWBOKY22XAX	77DF3-TDCM2ORIG	AF144163	0	0	
					MRHDKYXA02T	WNCHKY23QMD	77DF4-TDCM2ORIG	AF144386	24	24
					OWBOKYMA1GT	OWBOKY22XAX	77DF4-TDCM2ORIG	AF144162	24	24
					WNCHKYMA02T	WNCHKY23QMD	77DF3-TDCM2ORIG	AF144164	24	24
LA	MCI			ABVLLAMADSO	LFYTLA18AMD	77PH5-ED	AF134503	24	48	
				ALXNLAMADSO	SHPTLA14AMD	77PH5-ED	AF141065	168	168	
				ALXNLAMA05T	SHPTLA14AMD	77AF4-TDZORG	AF144496	216	216	
				77DF4-TDORIG	AF149341	24	24			
			ALXNLATGDSO	SHPTLA14AMD	77PH5-ED	AF146076	24	24		
			BRBRLAXADSO	LFYTLA18AMD	77PH5-ED	AF144285	48	48		
			BRSSLAMADSO	LFYTLA18AMD	77PH5-ED	AF134986	48	48		
			BSTRLAMADSO	MONRLA11CMD	77PH5-ED	AF145975	24	24		
			BTRGLABKDSO	BTRGLA18AMD	77PH5-ED	AF133480	48	72		
			BTRGLAGWDSO	BTRGLA18AMD	77PH5-ED	AF133496	360	360		
			BTRGLAGWGT	BTRGLA18AMD	77AF4-TDG1	AF140448	288	288		
					77DF4-TDZORG	AF149330	24	24		



AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST
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LA	MCI	BTRGLAHRDSO	BTRGLA18AMD	77PH5-ED	AF133486	24	24
		BTRGLAISCGO	BTRGLA18AMD	77PH5-ED	AF133553	96	144
		BTRGLAISDSO	BTRGLA18AMD	77PH5-ED	AF143350	0	0
		BTRGLAMADSO	BTRGLA18AMD	77PH5-EDZORG	AF133499	216	240
		BTRGLAOHDSO	BTRGLA18AMD	77PH5-ED	AF132648	168	216
		BTRGLASBDSO	BTRGLA18AMD	77PH5-ED	AF133546	144	144
		BTRGLASWDSO	BTRGLA18AMD	77PH5-ED	AF133481	72	96
		BTRGLAWNDSO	BTRGLA18AMD	77PH5-ED	AF133498	120	120
		BTRGLA18AMD	DNSPLAMADSO	77PH-5ED	AF133487	48	72
			DNVLLAMADSO	77PH-5ED	AF141063	24	24
			GNZLLAXAOGT	77AF-4TD	AF148280	48	48
				77PH-5ED	AF148390	120	120
			PLQMLAMADSO	77PH-5ED	AF131894	24	24
			ZCHRLAMADSO	77PH-5ED	AF133484	48	120
		CRLYLAXADSO	LKCHLA09XMD	77PH5-ED	AF147725	0	0
		CRLYLAXADS1	LKCHLA09XMD	77PH5-ED	AF148923	24	24
		CRLYLAXAOGT	LKCHLA09XMD	77DF4-TD	AF147348	0	0
		CRLYLAXA1GT	LKCHLA09XMD	77DF4-TDORIG	AF148885	48	24
		CRNCLAMADSO	LFYTLA18AMD	77PH5-ED	AF141323	24	24
		CRWYLAMADSO	LFYTLA18AMD	77PH5-ED	AF135650	24	48
		CTPTLAXAOGT	SHPTLA14AMD	77DF4-TDZORG	AF148741	48	12
			SHPTLA14RMD	77DF4-TDORIG	AF147057	24	24
		CVTNLAMADSO	HMNDLA08AMD	77PH5-ED	AF136138	96	144
		DELHLAMADSO	MONRLA11CMD	77PH5-ED	AF146025	24	24
		DQNCCLAXADSO	LKCHLA09XMD	77PH5-ED	AF146113	24	24
		EUNCLAMADSO	LFYTLA18AMD	77PH5-ED	AF152945	0	24
		FRDYLAMADSO	MONRLA11CMD	77PH5-ED	AF147892	24	24
		HMNDLAMADSO	HMNDLA08AMD	77PH5-ED	AF135436	192	192
		HMNDLA08AMD	NWORLAMAOGT	771H-4TDZORG	AF146547	72	72
		HOUMLAMADSO	NWORLA05DMD	77PH5-ED	AF140699	96	96
		JNGSLAMADSO	LKCHLA09XMD	77PH5-ED	AF146074	24	24
		KNDRLAXADSO	LKCHLA09XMD	77PH5-ED	AF146204	24	24
		KNNRLABRDSO	NWORLA05DMD	77PH5-ED	AF131374	168	168
		KNNRLAHNDSO	NWORLA05DMD	77PH5-ED	AF136295	144	144
		LARSLAXA02T	NWORLA05DMD	77AF4-TD	AF145256	72	72
		LFYTLAMACG1	LFYTLA18AMD	77PH5-ED	AF133039	288	240
		LFYTLAMADSO	LFYTLA18AMD	77PH5-ED	AF141057	48	48
		LFYTLAMAOGT	LFYTLA18AMD	77AF3-TDG1	AF140400	264	240
				77AF3-TDORIG	AF149336	24	24
		LFYTLAVMCGO	LFYTLA18AMD	77PH5-ED	AF134209	144	144
		LFYTLA18AMD	LKCHLADT03T	77AF-4TDZORG	AF135570	0	24
			NWIBLAMADSO	77PH-5ED	AF136452	72	72
			OPLSLATLDSO	77PH-5ED	AF141320	24	24
			VLPLLAXADSO	77PH-5ED	AF142708	24	24
			VLPLLAXAOGT	77AF-4TD	AF142704	48	48
			WLSHLAXA02T	77DF-4TDZORG	AF145550	48	72
		LKCHLADTCGO	LKCHLA09XMD	77PH5-ED	AF142472	96	96
		LKCHLADTDSO	LKCHLA09XMD	77PH5-ED	AF143680	0	0
		LKCHLADT03T	LKCHLA09XMD	77AF4-TDZORG	AF144513	192	216
				77DF4-TDORIG	AF149380	24	24
		LKCHLAUNDSO	LKCHLA09XMD	77PH5-ED	AF142471	192	192
		LKCHLA09XMD	WLSHLAXADSO	77PH-5ED	AF146922	24	24

AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST
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LA	MCI	LPLCLAMADSO	NWORLA05DMD	77PH5-ED	AF128744	24	48
		MINDLAMADSO	SHPTLA14AMD	77PH5-ED	AF134138	24	24
		MNVLLAMADSO	NWORLA05DMD	77PH5-ED	AF136173	48	96
		MONRLADSDSO	MONRLA11CMD	77PH5-ED	AF146026	72	72
		MONRLAMADSO	MONRLA11CMD	77PH5-ED	AF146021	264	264
		MONRLAMA0GT	MONRLA11CMD	77DF4-TD	AF146023	312	312
			SHPTLA14AMD	77AF4-TDZORG	AF144498	240	264
				77DF4-TDORIG	AF149342	24	24
		MONRLAWMDSO	MONRLA11CMD	77PH5-ED	AF146024	24	24
		MONRLA11CMD	RSTNLAMADSO	77PH-5ED	AF146022	72	72
		MRCYLAINDSO	NWORLA05DMD	77PH5-ED	AF141061	48	48
		NORCLAMNDSO	NWORLA05DMD	77PH5-ED	AF136091	24	24
		NTCHLAMADSO	SHPTLA14AMD	77PH5-ED	AF146073	48	48
		NWORLAARCGO	NWORLA05DMD	77PH5-ED	AF135039	96	96
		NWORLAAVDSO	NWORLA05DMD	77PH5-ED	AF141053	24	24
		NWORLABMDSO	NWORLA05DMD	77PH5-ED	AF135430	48	48
		NWORLACACGO	NWORLA05DMD	77PH5-ED	AF135089	72	96
		NWORLACMCGO	NWORLA05DMD	77PH5-ED	AF135917	48	48
		NWORLAFRCGO	NWORLA05DMD	77PH5-ED	AF135045	96	96
		NWORLALKCGO	NWORLA05DMD	77PH5-ED	AF135340	48	120
		NWORLAMACG2	NWORLAMAX4Y	77PH5-ED	AF151827	168	144
			NWORLA05DMD	77PH5-ED	AF135061	0	0
		NWORLAMADSO	NWORLAMAX4Y	77PH5-ED	AF151784	240	240
			NWORLA05DMD	77PH5-ED	AF136608	0	0
		NWORLAMA0GT	NWORLA05DMD	77AF4-TDG2	AF146540	408	408
				77DF4-TDORIG	AF149334	24	0
		NWORLAMCCGO	NWORLA05DMD	77PH5-ED	AF135325	72	72
		NWORLAMRCGO	NWORLA05DMD	77PH5-ED	AF135439	96	96
		NWORLAMTDSO	NWORLA05DMD	77PH5-ED	AF129587	240	240
		NWORLAMT01T	NWORLA05DMD	77AF4-TDG2	AF146544	552	552
				77DF4-TDORIG	AF149335	24	24
		NWORLAMUDSO	NWORLA05DMD	77PH5-ED	AF134024	24	48
		NWORLARVDSO	NWORLA05DMD	77PH5-ED	AF129649	120	120
		NWORLASCCGO	NWORLA05DMD	77PH5-ED	AF135321	72	120
		NWORLASKCGO	NWORLA05DMD	77PH5-ED	AF135006	96	120
		NWORLASWCGO	NWORLA05DMD	77PH5-ED	AF135431	144	168
		NWORLASWDSO	NWORLA05DMD	77PH5-ED	AF143255	0	0
		NWORLA05DMD	RCLDLAMADSO	77PH-5ED	AF142781	24	24
			RSRVLAXB0GT	77DF-4TDORIG	AF146252	48	48
			SLIDLAMADSO	77PH-5ED	AF136429	144	144
			THBDLAMADSO	77PH-5ED	AF142392	48	48
		PLDNLAXA0GT	SHPTLA14AMD	77DF4-TDZORG	AF145687	48	48
			SHPTLA14RMD	77DF4-TDORIG	AF147049	24	24
		SHPTLABSDSO	SHPTLA14AMD	77PH5-ED	AF134047	120	144
		SHPTLACLDSO	SHPTLA14AMD	77PH5-ED	AF134123	48	48
		SHPTLAHDCGO	SHPTLA14AMD	77PH5-ED	AF134048	96	96
		SHPTLAMACGO	SHPTLA14AMD	77PH5-ED	AF134125	240	240
		SHPTLAMADSO	SHPTLA14AMD	77PH5-ED	AF139903	48	96
		SHPTLAMA0GT	SHPTLA14AMD	77AF3-TD	AF138066	168	168
				77DF3-TDORIG	AF149340	24	24
		SHPTLAQBCGO	SHPTLA14AMD	77PH5-ED	AF134049	96	96
		SHPTLASGDSO	SHPTLA14AMD	77PH5-ED	AF133367	96	120

AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST		
LA	TEM	ALXNLAMA05T	SHPTLA14RMD	77DF4-TDCM2ORIG	AF144211	24	24		
		BTRGLAGW0GT	BTRGLA18QMD	77AF4-TDCM2ORIG	AF144227	24	24		
		BTRGLA18QMD	GNZLLAXA0GT	77DF-4TDZORG	AF148283	24	24		
		LFYTLAMA0GT	LFYTLA181MD	77DF3-TDCM2ORIG	AF144213	24	24		
		LFYTLA181MD	VLPLLAXA0GT	77DF-4TDCM2ORIG	AF148686	24	24		
			WLSHLAXA02T	77DF-4TDCM2ORIG	AF148692	24	24		
			LKCHLADT03T	LKCHLA09XAX	77AF4-TDZORG	AF144332	24	24	
			MONRLAMA06T	SHPTLA14RMD	77DF4-TDCM2ORIG	AF144212	24	24	
			NWORLAMA0GT	NWORLA05XRX	77DF4-TDCM2ORIG	AF144152	24	36	
			NWORLAMT01T	NWORLA05XRX	77DF4-TDCM2ORIG	AF144229	24	24	
			SHPTLAMA0GT	SHPTLA14RMD	77AF3-TDCM2ORIG	AF144148	24	24	
		MS	MCI	AMRYMSMADSO	TUPLMSATJMD	77PH5-ED	AF144730	24	24
				BILXMSEDDSO	GLPTMS541MD	77PH5-ED	AF140955	72	96
				BILXMSED06T	GLPTMS541MD	77AF4-TD	AF140367	240	240
						77AF4-TDG1	AF135225	216	216
						77DF4-TD	AF149423	24	24
	BILXMSMADSO			GLPTMS541MD	77PH5-ED	AF137033	96	144	
	BRHNMSMADSO			JCSNMSCPXAX	77PH5-ED	AF149877	24	48	
				JCSNMS573MD	77PH5-ED	AF146069	0	0	
	BRNDMSSEDSO			JCSNMSCPXAX	77PH5-ED	AF149810	24	48	
				JCSNMS573MD	77PH5-ED	AF142398	0	0	
	BRUCMSXA06T			JCSNMSCPXAX	77DF4-TD	AF149871	24	24	
					77DF4-TDG1	AF149872	48	48	
				JCSNMS573MD	77DF4-TD	AF149462	0	0	
					77DF4-TDG1	AF149463	0	0	
	CLEVMSMADSO			JCSNMSCPXAX	77PH5-ED	AF149876	24	48	
				JCSNMS573MD	77PH5-ED	AF143939	0	0	
	CLMBMSMADSO			TUPLMSATJMD	77PH5-ED	AF144741	48	72	
	CLMBMSMA06T			JCSNMSCPXAX	77AF4-TD	AF149840	120	120	
					77DF4-TD	AF149858	24	24	
				JCSNMS573MD	77AF4-TD	AF135402	0	0	
					77DF4-TD	AF135401	0	0	
				MRDNMSI FBMD	77AF4-TD	AF152505	168	168	
	CNTNMSMADSO			JCSNMSCPXAX	77PH5-ED	AF149874	24	24	
				JCSNMS573MD	77PH5-ED	AF146071	0	0	
	CRNTMSMADSO			TUPLMSATJMD	77PH5-ED	AF144732	24	72	
	GLPTMSLYDSO			GLPTMS541MD	77PH5-ED	AF136989	96	96	
	GLPTMSTSDSO			GLPTMS541MD	77PH5-ED	AF128580	168	168	
	GLPTMS541MD			MSPNMSMADSO	77PH-5ED	AF143399	24	48	
				OCSPMGODSO	77PH-5ED	AF145116	24	48	
				PSCGMSMADSO	77PH-5ED	AF140361	72	72	
	GNVLMMSADSO			JCSNMSCPXAX	77PH5-ED	AF149865	48	72	
				JCSNMS573MD	77PH5-ED	AF128390	0	0	
	GNWDMMSADSO	JCSNMSCPXAX	77PH5-ED	AF149869	24	72			
		JCSNMS573MD	77PH5-ED	AF140958	0	0			
	GNWDMMSA06T	JCSNMSCPXAX	77AF4-TDORIG	AF149868	312	312			
			77DF4-TD	AF149864	360	360			
			77DF4-TDG1	AF149866	24	24			
		JCSNMS573MD	77AF4-TDORIG	AF147037	0	0			
			77DF4-TD	AF135541	0	0			
			77DF4-TDG1	AF149425	0	0			
	GRNDMSMADSO	JCSNMSCPXAX	77PH5-ED	AF149879	48	48			

AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST
MS	MCI	GRNDMSMADSO	JCSNMS573MD	77PH5-ED	AF142098	0	0
		HLSPMADSO	TUPLMSATJMD	77PH5-ED	AF144722	24	24
		HRNMDSDSO	MMPHTNSLBMD	77PH5-ED	AF143922	24	48
		HTBGMSMABMD	HTBGMSMADSO	77PH-5ED	AF145102	120	144
			HTBGMSMA06T	77AF-4TDG1	AF145109	144	144
				77DF-4TD	AF149424	24	24
				77DF-4TDCM2ORIG	AF145108	24	24
			HTBGMSWEDSO	77PH-5ED	AF145103	144	144
			LARLMSADSO	77PH-5ED	AF144830	72	72
			LCDLMSADSO	77PH-5ED	AF148881	24	24
			TYTWMSMCDSO	77PH-5ED	AF148882	24	24
		HTBGMSMA06T	JCSNMSCPXAX	77AF4-TDG2	AF149831	168	168
			JCSNMS573MD	77AF4-TDG2	AF146638	0	0
		INDNMADSO	JCSNMSCPXAX	77PH5-ED	AF149880	24	24
			JCSNMS573MD	77PH5-ED	AF148910	0	0
		JCSNMSBLDSO	JCSNMSCPXAX	77PH5-ED	AF150023	120	144
			JCSNMS573MD	77PH5-ED	AF135399	0	0
		JCSNMSCBCGO	JCSNMSCPXAX	77PH5-ED	AF150024	48	72
			JCSNMS573MD	77PH5-ED	AF135397	0	0
		JCSNMSCBDSO	JCSNMSCPXAX	77PH5-ED	AF150938	0	0
		JCSNMSCPDS2	JCSNMSCPXAX	77PH5-ED	AF149953	240	288
			JCSNMS573MD	77PH5-ED	AF134954	0	0
		JCSNMSCPXAX	JCSNMSCP06T	77AF-3TD	AF149878	384	384
				77AF-3TDG1	AF149950	408	408
				77DF-3TDG3	AF149951	24	24
			JCSNMSBDSO	77PH-5ED	AF150025	120	120
			JCSNMNRDSO	77PH-5ED	AF149882	24	48
			JCSNMSPCDSO	77PH-5ED	AF149883	120	120
			JCSNMSRWDSO	77PH-5ED	AF149884	96	120
			MAGEMSADSO	77PH-5ED	AF150511	24	24
			MCCMMSADSO	77PH-5ED	AF149881	24	48
			MDSNMSESDSO	77PH-5ED	AF149891	72	72
			MRDNMSTL07T	77AF-4TD	AF149888	144	144
				77DF-4TDG1	AF149889	24	24
			OXFRMSADSO	77AF-5ED	AF152397	48	24
			TUPLMSADSO	77PH-5ED	AF149928	96	96
			TUPLMSMA07T	77AF-4TD	AF149898	192	192
				77DF-4TD	AF149899	24	24
			VCBGMSMADSO	77PH-5ED	AF149954	48	96
			YZCYMSADSO	77PH-5ED	AF152835	0	24
		JCSNMSCP06T	JCSNMS573MD	77AF3-TDG1	AF135236	0	0
				77AF3-TDG2	AF147100	0	0
				77DF3-TDG3	AF149427	0	0
		JCSNMSBDSO	JCSNMS573MD	77PH5-ED	AF127702	0	0
		JCSNMNRDSO	JCSNMS573MD	77PH5-ED	AF120546	0	0
		JCSNMSPCDSO	JCSNMS573MD	77PH5-ED	AF137038	0	0
		JCSNMSRWDSO	JCSNMS573MD	77PH5-ED	AF137420	0	0
		JCSNMS573MD	MCCMMSADSO	77PH-5ED	AF146072	0	0
			MDSNMSESDSO	77PH-5ED	AF137421	0	0
			MRDNMSTL07T	77AF-4TD	AF139624	0	0
			NTCHMSMACGO	77PH-5ED	AF139608	0	0
			NTCHMSMADSO	77PH-5ED	AF148183	24	24

AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST			
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MS	MCI	JCSNMS573MD	OXFRMSMADSO	77PH-5ED	AF137432	0	24			
			TUPLMSMADSO	77PH-5ED	AF140959	0	0			
			TUPLMSMA07T	77AF-4TD	AF135253	0	0			
					77DF-4TD	AF135254	0	0		
				VCBGMSMADSO	77PH-5ED	AF137422	0	0		
			MRDNMS1FBMD	MRDNMSTLDSO	77PH-5ED	AF146290	120	144		
				MRDNMSTL07T	77AF-4TD	AF146283	144	168		
			NWALMSMADSO	TUPLMSATJMD	77PH5-ED	AF144720	24	24		
			PNTTMSMADSO	TUPLMSATJMD	77PH5-ED	AF144723	24	24		
			SKVLMSMADSO	TUPLMSATJMD	77PH5-ED	AF144743	48	48		
			TUPLMSATJMD	WSPNMSMADSO	77PH-5ED	AF144745	24	24		
		TEM		BILXMS06T	GLPTMS54XMD	77DF4-TDCM2ORIG	AF144198	24	24	
				CLMBMSMA06T	JCSNMSCPQMD	77DF4-TDCM2ORIG	AF150027	24	24	
					JCSNMS574MD	77DF4-TDCM2ORIG	AF144201	0	0	
					GNWDMMSA06T	JCSNMSCPQMD	77DF4-TDCM2ORIG	AF150029	24	24
						JCSNMS574MD	77DF4-TDCM2ORIG	AF144210	0	0
					JCSNMSCPQMD	JCSNMSCP06T	77DF-3TDCM2ORIG	AF150033	24	24
						MRDNMSTL07T	77DF-4TDCM2ORIG	AF150030	24	24
						TUPLMSMA07T	77DF4-TDCM2ORIG	AF150032	24	24
					JCSNMSCP06T	JCSNMS574MD	77DF3-TDCM2ORIG	AF144166	0	0
	JCSNMS574MD			MRDNMSTL07T	77DF-4TDCM2ORIG	AF144204	0	0		
NC	MCI	AHVLNCB127F	AHVLNCP2MD	77PH5-ED	AC179242	72	72			
			AHVLNCOH04T	AHVLNCP2MD	77AF4-TDZORG	AC179222	168	168		
					77DF4-TD	AC198139	24	48		
			AHVLNCOH25G	AHVLNCP2MD	77PH5-ED	AC186813	288	336		
			AHVLNCOT29F	AHVLNCP2MD	77PH5-EDZORG	AC180353	72	96		
			AHVLNCP2MD	ARDNNCCE68G	77PH-5ED	AC180354	72	72		
				CNTNNCMA64F	77PH-5ED	AC184292	24	24		
				ENKANCA66F	77PH-5ED	AC180355	48	48		
				FKLNNCXADSO	77PH-5ED	AC193153	96	96		
				HNVLNCCH69G	77PH-5ED	AC180499	144	144		
				HNVLNCMI89G	77PH-5ED	AC180463	24	24		
				LCSRNCMA68F	77PH-5ED	AC205219	0	0		
				MARNNCXBDSO	77PH-5ED	AC193261	48	48		
				MRPHNCXBDSO	77PH-5ED	AC193262	48	48		
				SYLVNCXADSO	77PH-5ED	AC193530	144	144		
				SYLVNCXA02T	77AF-4TD	AC188374	48	96		
					77DF-4TDDI	AC193250	24	24		
				WVVLNCXADSO	77PH-5ED	AC193263	72	72		
				WVVLNCMA45F	77PH-5ED	AC182280	48	72		
			APEXNCCE36F	RLGHNCSC1MD	77PH5-ED	AC177471	120	120		
	ASBONCXADSO	GNBONCWS1MD	77PH5-ED	AC196315	144	144				
	ASBONCX02T	GNBONCWSTMD	77DF4-TDCM2ORIG	AC196313	24	24				
		GNBONCWS1MD	77DF4-TDORIG	AC196317	48	96				
	BEMTNCXA38F	CHRLNCTY3MD	77PH5-TD	AC204894	0	24				
	BNELNCXA89F	CHRLNCTY3MD	77PH5-ED	AC204921	0	24				
	BOONNCKI26F	CHRLNCTY3MD	77PH5-ED	AC177437	96	168				
	BRGWNCMA25F	WLMGNCAA1MD	77PH5-ED	AC182422	24	24				
	BURLNCDA56F	BURLNCEP1MD	77PH5-ED	AC177018	168	192				
	BURLNCEL58F	BURLNCEP1MD	77PH5-ED	AC178957	48	72				
	BURLNCEP1MD	GNBONCEU05T	77IH-4TDZORG	AC177991	48	48				

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AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST
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NC	MCI	BURLNCEP1MD	LBRTNCXA62F	77DF-5TD	AC194150	24	24
			MEBNNCX56F	77PH-5ED	AC197809	24	48
			RXBONCXADS0	77PH-5ED	AC196404	48	48
		CARYNCE46G	RLGHNCSC1MD	77PH5-ED	AC177451	312	480
		CHRLNCB005T	CHRLNCTY3MD	77AF4-TDZORG	AC181237	456	624
				77DF4-TD	AC198157	24	24
		CHRLNCB052F	CHRLNCTY3MD	77PH5-EDZORG	AC177056	360	384
		CHRLNCCA05T	CHRLNCTY3MD	77AF4-TD	AC176123	648	528
				77DF4-TD	AC198148	24	24
		CHRLNCCA34G	CHRLNCTA2MD	77PH5-ED	AC186027	408	600
		CHRLNCCA37H	CHRLNCTY3MD	77DF4-EDWB	AC196620	0	24
				77PH5-ED	AC191957	336	360
		CHRLNCE53G	CHRLNCTY3MD	77PH5-ED	AC189745	240	288
		CHRLNCCR54G	CHRLNCTY3MD	77PH5-EDZORG	AC177848	192	216
		CHRLNCDE59F	CHRLNCTY3MD	77PH5-ED	AC177850	192	264
		CHRLNCER58F	CHRLNCTY3MD	77PH5-ED	AC177851	144	216
		CHRLNCLP35F	CHRLNCTY3MD	77PH5-ED	AC176122	144	168
		CHRLNCMI54G	CHRLNCTY3MD	77PH5-ED	AC177102	48	48
		CHRLNCRE55G	CHRLNCTY3MD	77PH5-ED	AC165145	192	264
		CHRLNCSH36F	CHRLNCTY3MD	77PH5-ED	AC177852	192	264
		CHRLNCTA2MD	HCKRNCXADS0	77PH-5ED	AC196339	240	240
			HCKRNCXBDS0	77PH-5ED	AC196340	24	24
			HSVLNCE875	77PH-5ED	AC184293	48	48
		CHRLNCTH39G	CHRLNCTY3MD	77PH5-ED	AC167590	192	240
		CHRLNCTY3MD	CHRLNCUN59F	77PH-5ED	AC177093	240	336
			DVSNPCP089F	77PH-5ED	AC177895	96	120
			FRCYNCCE24G	77PH-5ED	AC180713	24	48
			GSTANCS085G	77IH-5ED	AC183014	216	216
			HCKRNCXA02T	77DF-4TD	AC196305	96	168
				77DF-4TDG1	AC205285	0	24
			KGMTNCMA73F	77PH-5ED	AC182633	24	48
			LENRNCHA75F	77PH-5ED	AC180682	48	72
			LENRNCHU72F	77PH-5ED	AC204922	0	24
			LNTNNCMA73F	77PH-5ED	AC177717	48	72
			LWLLNCMA82F	77PH-5ED	AC177893	24	24
			MGTNNCGR43F	77PH-5ED	AC180712	96	120
			MONRNCXADS0	77PH-5ED	AC193787	96	120
			MRVINCA66F	77PH-5ED	AC190604	72	96
			MTHLNCMA82F	77PH-5ED	AC177718	24	24
			MTHWNCXB84F	77PH-5ED	AC190586	288	336
			NWTNNCMA46F	77PH-5ED	AC177853	96	120
			RTTNNCCE28G	77PH-5ED	AC180715	48	72
			SGGVNCA29F	77PH-5ED	AC204933	0	24
			SHLBNCA48G	77PH-5ED	AC167593	72	96
			STNLNCE26F	77PH-5ED	AC204935	0	24
			WATGNCA96F	77PH-5ED	AC204978	0	24
			WDBONCXADS1	77PH-5ED	AC194158	24	24
			YORKSCMA68F	77PH-5ED	AC183517	48	72
		CLMBNCA89F	SPBGSCMAAMD	77PH5-ED	AC204859	0	24
		CPHLNCRM1MD	CPHLNCRO96G	77PH-5ED	AC177464	312	336
		CRBHNCCE45F	WLMGNCAA1MD	77PH5-ED	AC179534	24	48
		CRDMNCXMDS0	RLGHNCSC1MD	77PH5-ED	AC184592	24	24

AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST
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NC	MCI	CSHYNCMA67F	WLMGNCAA1MD	77PH5-ED	AC184676	24	24
		CYTNNCXA55F	RLGHNCSC1MD	77DF5-ED	AC195544	48	48
		EDENNCXBDSO	GNBONCWS1MD	77DF5-ED	AC196338	24	24
		ELKNNCXADS0	WNSLNCWE1MD	77PH5-ED	AC191411	48	48
		ELKNNCXAO3T	GNBONCWS1MD	77AF4-TDZORG	AC192141	144	144
		ELRBNCXA65F	PMBRNCJO1MD	77PH5-ED	AC204929	0	24
		FQVRNCXA55G	RLGHNCSC1MD	77PH5-ED	AC190589	96	96
		GLBONCAD77F	RLGHNCSC1MD	77PH5-ED	AC177659	48	48
		GLBONCMA73F	RLGHNCSC1MD	77PH5-ED	AC186081	120	120
		GNBONCAP66F	GNBONCWS1MD	77PH5-ED	AC176121	216	288
		GNBONCAS29F	GNBONCWS1MD	77PH5-ED	AC177008	408	432
		GNBONCEU05T	GNBONCWS1MD	77AF4-TD	AC176120	378	306
				77DF4-TDORIG	AC198152	24	24
			WNSLNCWE1MD	77AF4-TD	AC190081	96	96
		GNBONCEU33G	GNBONCWS1MD	77PH5-ED	AC188444	360	384
		GNBONCHO69F	GNBONCWS1MD	77PH5-ED	AC204943	0	24
		GNBONCLA28F	GNBONCWS1MD	77PH5-ED	AC176968	96	144
		GNBONCMC62F	GNBONCWS1MD	77PH5-ED	AC176969	72	96
		GNBONCPG67F	GNBONCWS1MD	77PH5-ED	AC177017	24	48
		GNBONCWS1MD	KRVLNCXA99F	77DF-5ED	AC196361	72	72
			MDSNNCXADS0	77PH-5ED	AC196393	24	24
			MTARNCXADS0	77DF-5ED	AC196364	48	48
			RDVLNCMA34F	77PH-5ED	AC186188	48	72
			SRFDNCCE643	77PH-5ED	AC184290	24	48
		GRQYNCXA27F	SLBRNCCO4MD	77PH5-ED	AC190596	24	24
		HLBHNCXBDSO	WLMGNCAA1MD	77DF5-ED	AC194560	24	24
		HMLTNCMA58F	LRBGNCAS1MD	77PH5-ED	AC179533	24	24
			PMBRNCJO1MD	77PH5-ED	AC203939	24	24
		HRMYNCXA02T	SLBRNCCO4MD	77DF4-TD	AC197832	72	72
		KINGNCXA98F	WNSLNCWE1MD	77DF5-ED	AC194141	24	24
		KNDLNCCE26F	RLGHNCSC1MD	77PH5-ED	AC178101	48	48
		LMTNNCMA73F	PMBRNCJO1MD	77PH5-ED	AC179538	120	144
		LQMXNCXA01T	WNSLNCWE1MD	77AF4-TD	AC205278	0	72
		LRBGNCAS1MD	LRBGNCMA02T	77PH-4TDZORG	AC179491	48	48
			LRBGNCMA27F	77PH-5ED	AC186698	48	48
			RCHMNCMA89F	77PH-5ED	AC179536	48	48
		LRBGNCMA02T	PMBRNCJOPMD	77DF4-TD	AC203762	0	0
			PMBRNCJO1MD	77AF4-TD	AC179495	96	48
				77DF4-TDZ950	AC198202	24	24
			PMBRNCJO6MD	77AF4-TD	AC203766	0	0
			PMBRNCJO9MD	77PH4-TD	AC203778	0	0
		LRBGNCMA27F	PMBRNCJO1MD	77PH5-ED	AC203943	48	48
		LWVLNCXA94F	WNSLNCWE1MD	77DF5-ED	AC195567	24	24
		NWBONCXADS0	WNSLNCWE1MD	77PH5-ED	AC196394	72	72
		OLTWNCXA92F	WNSLNCWE1MD	77DF5-ED	AC195568	48	48
		PMBRNCCE52F	PMBRNCJO1MD	77PH5-ED	AC184336	24	24
		PMBRNCJO1MD	RCHMNCMA89F	77PH-5ED	AC203975	48	72
			WLMGNCF003T	77DF-4TD	AC192950	192	240
				77DF-4TDORIG	AC198155	24	24
		PMBRNCJO6MD	SHLTNCXA01T	77AF-4TD	AC203770	0	0
			WLMGNCF003T	77AF-4TD	AC203769	0	0
		RLGHNCDO84F	RLGHNCSC1MD	77PH5-ED	AC194143	24	24

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AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST
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NC	MCI	RLGHNCGA77F	RLGHNCSC1MD	77PH5-ED	AC177677	96	96
		RLGHNCGL78F	RLGHNCSC1MD	77PH5-ED	AC177458	360	384
		RLGHNCH001T	RLGHNCSC1MD	77AF4-TD	AC176365	720	720
				77DF4-TDZ950	AC198196	48	48
		RLGHNCH087G	RLGHNCSC1MD	77PH5-ED	AC176363	312	360
		RLGHNCJ085F	RLGHNCSC1MD	77PH5-EDZORG	AC177474	168	168
		RLGHNCMOXHX	RLGHNCMO83G	77PH-5ED	AC202309	240	240
			RLGHNCMO85F	77PH-5ED	AC202331	120	120
		RLGHNCMO83G	RLGHNCSC1MD	77PH5-ED	AC178378	0	0
		RLGHNCMO85F	RLGHNCSC1MD	77PH5-ED	AC177452	0	0
		RLGHNCB25F	RLGHNCSC1MD	77PH5-ED	AC178102	48	48
		RLGHNCSC1MD	RLGHNCI84G	77PH-5ED	AC177462	264	264
			SELMNCMA96F	77PH-5ED	AC194142	24	24
			WKFNSNCA55F	77DF-5ED	AC195540	72	72
			WNDLNCP136F	77PH-5ED	AC178134	24	24
			ZBLNNCCE26F	77PH-5ED	AC178103	24	24
		SCHLNCA68F	WLMGNCAA1MD	77PH5-ED	AC179532	24	48
		SESDNCXBDS0	WLMGNCAA1MD	77PH5-ED	AC194570	48	48
		SHLTNCXADS0	WLMGNCAA1MD	77DF5-ED	AC194561	24	24
		SHLTNCXA01T	WLMGNCAA1MD	77DF4-TDZORG	AC194562	48	72
		SLBRNCC04MD	SLBRNCA63F	77PH-5ED	AC187423	144	168
			SSVLNCA87F	771H-5ED	AC187424	144	216
			TYVLNCA63F	77PH-5ED	AC187425	24	72
		WGVNCA25F	WLMGNCAA1MD	77PH5-ED	AC187719	0	0
		WGVNCA25G	WLMGNCAA1MD	77PH5-ED	AC187720	48	48
		WLMGNCAA1MD	WLMGNCF076G	77PH-5ED	AC186764	120	144
			WLMGNCW179F	77PH-5ED	AC177774	264	288
		WNSLNCL76F	WNSLNCWE1MD	77PH5-ED	AC190151	48	48
		WNSLNCI74H	WNSLNCWE1MD	77PH5-EDZORG	AC190155	288	288
		WNSLNCGL76F	WNSLNCWE1MD	77PH5-ED	AC190156	72	72
		WNSLNCLE78F	WNSLNCWE1MD	77PH5-ED	AC190157	72	96
		WNSLNCVI76F	WNSLNCWE1MD	77PH5-EDZORG	AC190158	168	192
		WNSLNCWE1MD	WNSLNCWH75F	77PH-5ED	AC190159	24	24
	TEM	AHVLNCOH04T	AHVLNCP51MD	77DF4-TDCM2ORIG	AC190505	24	24
		AHVLNCP51MD	SYLVNCA02T	77DF-4TD	AC190866	24	24
		CHRLNCB005T	CHRLNCTY6MD	77DF4-TDCM2ORIG	AC190518	24	24
		CHRLNCCA05T	CHRLNCTY6MD	77DF4-TDCM2ORIG	AC190513	24	24
		CHRLNCTY6MD	HCKRNCA02T	77DF-4TD	AC196282	24	24
		ELKNNCA03T	GNBONCWSTMD	77DF4-TDCM2ORIG	AC192142	24	24
		GNBONCEU05T	GNBONCWSTMD	77DF4-TDCM2ORIG	AC190494	24	24
		HRMYNCA02T	SLBRNCC06MD	77DF4-TDCM2ORIG	AC197979	24	24
		LRBGNCMA02T	PMBRNCJOGMD	77DF4-TDCM2ORIG	AC190508	24	24
		RLGHNCH001T	RLGHNCSCMD	77DF4-TDCM2ORIG	AC190501	24	24
		SHLTNCXA01T	WLMGNCAA0MD	77DF4-TDCM2ORIG	AC194573	24	24
		WLMGNCAA0MD	WLMGNCF003T	77DF-4TDCM2ORIG	AC190507	24	24
NF	MCI	ALSPFLXADS0	HTRWFLAA1MD	77PH5-ED	AC186517	240	240
			ORLDFLSO1MD	77PH5-ED	AC177306	144	144
		APPKFLXADS1	HTRWFLAA1MD	77PH5-ED	AC186403	96	120
		BKVLFLJFDS0	GSVLFLSM1MD	77PH5-ED	AC181044	48	96
		CCBHFLMADS0	COCOFLPR1MD	77PH5-ED	AC175450	72	120
		CHPLFLJADS0	CHPLFLRR1MD	77PH5-ED	AC186307	24	24
		CHPLFLRR1MD	MRNNFLXA03T	77AF-4TD	AC198250	24	24



AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST
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NF	MCI	CNTMFLEDS1	PNSCFLFN2MD	77PH5-ED	AC187812	24	24
		COCOFLMADSO	COCOFLPR1MD	77PH5-ED	AC174966	120	216
		COCOFLMEDSO	COCOFLPR1MD	77PH5-ED	AC178561	96	144
		COCOFLPR1MD	TTVLFLMADSO	771H-5ED	AC182193	96	120
		CRVWFLXA02T	PNSCFLFN2MD	77AF4-TDORIG	AC199298	24	24
			PNSCFLWR1MD	77AF4-TDORIG	AC198401	0	0
		CSLBFLEXADS1	HTRWFLAA1MD	77PH5-ED	AC186442	48	72
		DBRYFLDLDSO	HTRWFLAA1MD	77PH5-ED	AC183957	72	96
		DELDFLMADSO	DYBHFLBS1MD	77PH5-ED	AC186115	72	96
		DYBHFLBS1MD	DYBHFLMADSO	77PH-5ED	AC187004	192	240
			DYBHFLBODSO	77PH-5ED	AC186974	120	168
			DYBHFLPODSO	77PH-5ED	AC186536	144	192
			DYBHFLPO01T	77AF-4TD	AC184010	264	240
				77AF-4TDG1	AC185573	264	264
				77AF-4TDG2	AC198264	24	24
			NSBHFLMADSO	77PH-5ED	AC186268	0	96
			NSBHFLMA42E	77PH-5ED	AC186996	72	120
			PLCSFLMADSO	77PH-5ED	AC187007	72	96
		EGLLFLBGDSO	MLBRFLRP1MD	77PH5-EDZORG	AC178718	120	192
		EGLLFLIHDSO	MLBRFLRP1MD	77PH5-ED	AC177433	72	144
		FRBHFLFPDSO	JCVLFLWA2MD	77PH5-ED	AC178191	48	48
		FTWBFLXA02T	PNSCFLFN2MD	77AF4-TDORIG	AC199319	24	24
		GCSPFLCNDSO	JCVLFLWA2MD	77DF5-TE	AC192653	24	24
		GLBRFLMCDSO	PNSCFLFN2MD	77PH5-ED	AC199282	72	96
			PNSCFLWR1MD	77PH5-ED	AC176747	0	0
		GLRDFLXADSO	ORLDFLSO1MD	77PH5-EDZORG	AC178983	168	168
		GSVFLMADSO	GSVFLFSM1MD	77PH5-ED	AC187468	48	72
		GSVFLMADS1	GSVFLFSM1MD	77PH5-ED	AC178585	360	384
		GSVFLMA01T	GSVFLFSM1MD	77AF4-TD	AC185423	240	240
				77AF4-TDORIG	AC198270	24	24
		GSVFLFNW33E	GSVFLFSM1MD	77PH5-ED	AC180743	144	192
		GSVFLFSM1MD	OCALFLXA03T	77AF-4TD	AC185766	552	552
				77AF-4TDG1	AC198254	24	24
			WWSPLFHIDSO	77PH-5ED	AC181949	24	96
			WWSPLFSDSO	77PH-5ED	AC181159	72	144
		HLNVFLMADS1	PNSCFLFN2MD	77PH5-ED	AC199267	24	48
			PNSCFLWR1MD	77PH5-ED	AC185555	0	0
		HTRWFLAA1MD	LKBRFLXADS1	77PH-5ED	AC188051	168	168
			LKMRFLMADSO	77PH-5ED	AC178982	72	96
			ORCYFLXADSO	77PH-5ED	AC179091	72	72
			ORLDFLCL01T	77PH-4TDZORG	AC175950	96	96
			SNFRFLMADSO	77PH-5EDZORG	AC178563	192	216
			WNPFLXE03T	77AF-4TDZORG	AC178638	288	240
		JCBHFLMADSO	JCVLFLWA2MD	771H5-ED	AC188726	0	0
		JCBHFLMA24E	JCVLFLWA2MD	771H5-ED	AC181362	96	120
		JCVLFLARDSO	JCVLFLWA2MD	77PH5-ED	AC181344	120	120
		JCVLFLBWDSDO	JCVLFLWA2MD	77PH5-ED	AC181473	168	240
		JCVLFLCLDSO	JCVLFLCLXVX	77PH5-ED	AC202327	240	264
			JCVLFLWA2MD	77PH5-ED	AC178178	0	0
		JCVLFLCLDS1	JCVLFLCLXVX	77PH5-ED	AC202308	0	24
		JCVLFLCLO5T	JCVLFLWA2MD	77AF4-TD	AC185752	336	336
				77AF4-TDG1	AC198251	24	24

AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST
NF	MCI	JCVLFLCLO5T	JCVLFLWA2MD	77PH4-OAZOTS	AC181205	0	0
			JCVLFLWA6MD	77AF4-TD	AC197994	0	0
		JCVLFLFCDS0	JCVLFLWA2MD	77PH5-ED	AC178587	72	72
		JCVLFLLF76E	JCVLFLWA2MD	77PH5-ED	AC179024	48	72
		JCVLFLNODS0	JCVLFLWA2MD	77PH5-ED	AC178186	96	120
		JCVLFLQWDS0	JCVLFLWA2MD	77PH5-ED	AC178192	48	96
		JCVLFLRVDS0	JCVLFLWA2MD	77PH5-ED	AC185981	0	0
		JCVLFLRV38E	JCVLFLWA2MD	77PH5-ED	AC179464	72	96
		JCVLFLSJ73E	JCVLFLWA2MD	77PH5-ED	AC178549	168	192
		JCVLFLSMD50	JCVLFLWA2MD	77PH5-ED	AC182934	96	216
		JCVLFLSM01T	JCVLFLWA2MD	77AF4-TD	AC185759	360	360
				77AF4-TDG1	AC198261	24	24
			STAGFLKR1MD	77AF4-TD	AC185810	48	48
		JCVLFLWA2MD	JCVLFLWCDS0	77PH-5ED	AC176991	120	144
			LKCYFLMADS0	77PH-5ED	AC178189	72	96
			LVOKFLXADS0	77PH-5ED	AC190341	96	120
			LVOKFLXA03T	77AF-4TD	AC190210	96	48
			MCLNFLXADS1	77AF-5ED	AC196211	24	48
			MDBGFLPMDS0	77PH-5ED	AC184009	24	48
			MNDRFLAVDS0	77PH-5ED	AC179033	72	96
			MNDRFLLODS0	77PH-5ED	AC181206	192	288
			ORPKFLMADS0	77PH-5ED	AC204121	0	0
			ORPKFLMA26E	77PH-5ED	AC182474	72	96
			ORPKFLRWDS0	77PH-5ED	AC189953	48	72
			PNVDFLMADS0	77PH-5ED	AC182439	72	96
			STRKFLXADS0	77PH-5ED	AC189908	24	24
		KSSMFLXADS0	ORLDFLSO1MD	77PH5-ED	AC179030	144	144
		KSSMFLXBDS1	ORLDFLSO1MD	77PH5-ED	AC179025	144	144
		LKBNFLXBDS0	ORLDFLSO1MD	77PH5-ED	AC189391	72	120
		LKBNFLXB03T	ORLDFLSO1MD	77AF4-TD	AC194762	48	48
				77AF4-TDORIG	AC198238	24	24
				77AF4-TDZORG	AC178519	120	144
		LYHNFLOHDS0	LYHNFLOH2MD	77PH5-ED	AC181464	48	48
		LYHNFLOH2MD	PCBHFLNTDS0	77PH-5ED	AC177355	96	180
			PNCYFLMADS0	77PH-5ED	AC187465	144	192
			PNCYFLMA04T	77AF-4TD	AC177342	144	144
				77AF-4TDG1	AC193574	24	24
				77AF-4TDG2	AC198263	24	24
		MLBRFLMADS0	MLBRFLRP1MD	77PH5-ED	AC178544	336	360
		MLBRFLRP1MD	ORLDFLMA04T	77PH-4TD	AC175946	96	144
		MLTNFLRADS0	PNSCFLFN2MD	77PH5-ED	AC191743	48	48
		MTLDFLXADS1	ORLDFLSO1MD	77PH5-ED	AC178863	72	72
		ORLDFLAPDS0	ORLDFLSO1MD	77PH5-ED	AC182639	288	384
		ORLDFLCLDS0	ORLDFLSO1MD	77PH5-ED	AC186508	144	144
		ORLDFLCL01T	ORLDFLSOGMD	77AF4-TD	AC198021	24	24
			ORLDFLSO1MD	77AF4-TDORIG	AC198256	24	24
				77AF4-TDZORG	AC175608	264	216
		ORLDFLMADS1	ORLDFLSO1MD	77PH5-ED	AC178995	168	264
		ORLDFLMA04T	ORLDFLSO1MD	77AF4-TD	AC174539	528	432
				77AF4-TDORIG	AC198237	48	48
		ORLDFLMA42E	ORLDFLSO1MD	77PH5-ED	AC182640	240	264
		ORLDFLPCDS0	ORLDFLSO1MD	77PH5-ED	AC174949	408	408

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AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST
NF	MCI	ORLDFLPHDSO	ORLDFLSO1MD	77PH5-ED	AC174538	336	408
		ORLDFLSADSO	ORLDFLSO1MD	77PH5-ED	AC176847	264	264
		ORLDFLSO1MD	OVIDFLCADSO	77PH-5ED	AC178976	96	168
			WNGRFLXADSO	77PH-5ED	AC177305	72	96
			WNPKFLXADS1	77PH-5ED	AC178837	192	192
			WNPKFLXE03T	77AF-4TD	AC177319	432	432
				77AF-4TDORIG	AC198587	24	24
				77DF-4TD	AC190295	48	48
		PLTKFLMADSO	STAGFLKR1MD	77PH5-ED	AC179461	48	72
		PNSCFLBLDSO	PNSCFLWR1MD	77PH5-ED	AC185979	0	0
		PNSCFLBL43E	PNSCFLFN2MD	77PH5-ED	AC199374	144	168
		PNSCFLFN2MD	PNSCFLFPDSO	77AF-5TE	AC193847	48	48
				77PH-5ED	AC186623	240	264
			PNSCFLPBDSO	77PH-5ED	AC199260	24	24
			PNSCFLWADSO	77PH-5ED	AC199317	96	120
			PNSCFLWA01T	77AF-4TD	AC199272	24	24
				77DF-4TDCM2ORIG	AC199273	264	240
		STAGFLKR1MD	STAGFLMADSO	77PH-5ED	AC182436	120	192
TEM		DYBHFLBS8MD	DYBHFLPO01T	77DF-4TDCM2ORIG	AC190522	24	24
		GSVLFLMA01T	GSVLFLSM2MD	77DF4-TDCM2ORIG	AC190521	24	24
		GSVLFLSM2MD	OCALFLXA03T	77DF-4TDCM2ORIG	AC190881	24	24
		JCVLFLCLO5T	JCVLFLWA7MD	77DF4-TDCM2ORIG	AC190493	24	24
		JCVLFLSM01T	JCVLFLWA7MD	77DF4-TDCM2ORIG	AC190512	24	24
		JCVLFLWA7MD	LVOKFLXA03T	77AF-4TD	AC194776	24	24
		LKBNFLXB03T	ORLDFLSOQMD	77DF4-TDCM2ORIG	AC190886	24	24
		LYHNFLLOHMD	PNCYFLMA04T	77DF-4TDCM2ORIG	AC190520	24	24
		ORLDFLCL01T	ORLDFLSOQMD	77DF4-TDCM2ORIG	AC190531	24	24
		ORLDFLMA04T	ORLDFLSOQMD	77DF4-TDCM2ORIG	AC190530	24	24
		ORLDFLSOQMD	WNPKFLXE03T	77DF-4TDCM2ORIG	AC190884	24	24
		PNSCFLFNXTX	PNSCFLWA01T	77DF-4TDCM2ORIG	AC199281	24	24
SC	MCI	ARSNSCMA22F	ARSNSCSN3MD	77PH5-ED	AC179009	144	168
		ARSNSCSN3MD	BETNSCMA33E	77PH-5ED	AC183121	24	48
			GNVLSCDT60T	771H-4TD	AC178859	96	120
			WAVLSCXB02T	77DF-4TDZORG	AC204203	48	48
			WMTNSCPW84F	77PH-5ED	AC204966	0	24
		BEVLSMA47E	FLRNSCMC1MD	77PH5-ED	AC180321	24	48
		BTBGSCMA53E	CLMASCM1MD	77PH5-ED	AC204971	0	24
		CHESSCXADSO	CLMASCM1MD	77PH5-ED	AC200631	72	72
		CHESSXA03T	CLMASCM1MD	77AF4-TD	AC195442	48	48
		CHESSXA37S	CLMASCM1MD	77PH5-ED	AC195444	0	0
		CHFDSCXADSO	FLRNSCMC1MD	77PH5-ED	AC199441	24	24
		CHRWSCES53E	FLRNSCMC1MD	77PH5-ED	AC180133	24	48
		CHSNSCXADSO	SPBGSCMAAMD	77PH5-ED	AC204941	0	24
		CHTNSCDP82E	CHTNSCPSYMD	77PH5-ED	AC196041	144	168
		CHTNSCDT60T	CHTNSCPSYMD	77AF4-TD	AC198089	24	24
				77AF4-TDZORG	AC195986	384	384
		CHTNSCDT72E	CHTNSCPSYMD	77PH5-ED	AC195988	216	216
		CHTNSCJM79E	CHTNSCPSYMD	77PH5-ED	AC195994	48	96
		CHTNSCJN55E	CHTNSCPSYMD	77PH5-ED	AC195997	48	48
		CHTNSCLB55E	CHTNSCPSYMD	77PH5-ED	AC195993	72	96
		CHTNSCNO74F	CHTNSCPSYMD	77PH5-ED	AC195987	168	192
		CHTNSCPSYMD	CHTNSCWA55E	77PH-5ED	AC195989	144	192

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AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST
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SC	MCI	CHTNSCPSYMD	CHTNSCWA85E	77PH-5ED	AC196766	0	0
			MNPLSCES88F	77PH-5ED	AC195992	144	192
			STSTSCXBDSO	77PH-5ED	AC204857	0	24
			SUVLSCMA87E	77PH-5ED	AC195991	120	144
		CLMASCAR75E	CLMASCM11MD	77PH5-ED	AC178502	96	96
		CLMASCCH78E	CLMASCM11MD	77PH5-ED	AC178423	144	168
		CLMASCDF78E	CLMASCM11MD	77PH5-ED	AC178503	120	120
		CLMASCM11MD	CLMASC60T	77AF-4TD	AC179257	192	192
				77DF-4TD	AC198078	24	24
			CLMASC77E	77PH-5ED	AC183176	168	168
			CLMASC77E	77PH-5ED	AC178432	72	96
			CLMASC25E	77PH-5ED	AC183177	24	72
			CLMASC60T	77AF-4TD	AC177491	360	420
				77DF-4TD	AC198086	24	24
			CLMASC97F	77PH-5ED	AC178504	456	456
			CLMASC78E	77PH-5ED	AC178385	216	216
			CLMASC79E	77PH-5ED	AC177487	192	192
			CMDNSCMA43F	77PH-5ED	AC178393	72	72
			HLHLSCXADS0	77PH-5ED	AC204841	0	24
			LXTNSCX35A	77PH-5ED	AC190441	72	72
			NWBYSCMA27E	77PH-5ED	AC178386	48	96
			PELISCA02T	77DF-4TDZORG	AC195311	72	72
			WLSTSCXADS1	77PH-5ED	AC205098	0	24
			WNBOSCXADS0	77PH-5ED	AC197008	24	24
		CLSNSCMA65E	CLSNSCTS3MD	77PH5-ED	AC182670	96	120
		CLSNSCTS3MD	GNVLSCDT60T	77IH-4TD	AC185061	96	96
			PCKNSCES87E	77PH-5ED	AC182672	24	24
			SENCSCMA88E	77PH-5ED	AC182671	72	96
		CLTNSCMA83E	GNWDCXC1MD	77PH5-ED	AC179001	24	48
		DLLNSCMA77E	FLRNSCMC1MD	77PH5-ED	AC180322	24	48
		DRTNSCMA39F	FLRNSCMC1MD	77PH5-ED	AC188577	24	48
		ESLYSCMA85E	GNVLSADB5MD	77PH5-ED	AC178974	48	48
		FLRNSCMA60T	FLRNSCMC1MD	77AF4-TD	AC179597	264	264
				77DF4-TD	AC198092	24	24
		FLRNSCMA66F	FLRNSCMC1MD	77PH5-ED	AC183135	240	240
		FLRNSCMC1MD	HMNGSCXADS0	77PH-5ED	AC197081	24	24
			HTVLSMA33E	77PH-5ED	AC180309	48	72
			KGTRSCXADS0	77PH-5ED	AC197082	24	24
			MARNSCMA42E	77PH-5ED	AC183138	24	48
			PGLDSCXA67E	77PH-5ED	AC194237	24	0
		FNINSCES86F	GNVLSADB5MD	77PH5-ED	AC183122	24	24
		GFNYSCMA48F	SPBGSCMAAMD	77PH5-ED	AC200948	96	96
			SPBGSCN4MD	77PH5-ED	AC179000	0	0
		GNVLSDBE24E	GNVLSADB5MD	77PH5-ED	AC180305	72	72
		GNVLSDBE24E	GNVLSADB5MD	77PH5-ED	AC178977	120	120
		GNVLSDBE27E	GNVLSADB5MD	77PH5-ED	AC178979	72	72
		GNVLSDBE5MD	GNVLSADB5MD	77AF-4TD	AC177815	564	564
				77DF-4TD	AC198109	24	24
			GNVLSDBE26E	77PH-5ED	AC178973	72	72
			GNVLSDBE28F	77PH-5ED	AC179003	312	312
			GRERSCMA87F	77PH-5ED	AC171816	120	120
			LRNSCXB02T	77AF-4TDZORG	AC198380	48	48

AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST		
SC	MCI	GNVLSADB5MD	LRNSSCXB03T	77AF-4TDZORG	AC201914	0	48		
			SSVLSCXADS0	77PH-5ED	AC202526	48	48		
			GNVLSCDTMMD	GNVLSCDT23F	77PH-5ED	AC202947	312	312	
			GNVLSCDT60T	GNWDSXC1MD	77IH-4TDG1	AC184696	72	72	
				SPBGSCMAAMD	77IH4-TDG1	AC200956	144	144	
				GNWDSXC1MD	LRNSSXCDS0	77PH-5ED	AC194920	24	24
				INMNSCX47E	SPBGSCMAAMD	77PH5-ED	AC204849	0	0
				LYMNSCES43E	SPBGSCMAAMD	77PH5-ED	AC200951	24	48
					SPBGSCSN4MD	77PH5-ED	AC179007	0	0
				ORBGSCMA53E	ORBGSCPN2MD	77PH5-ED	AC178402	168	216
				PTVLSXA01T	SVNHGAMS1MD	77DF4-EDORIG	AC203937	48	48
				SPBGSCBS57E	SPBGSCMAAMD	77PH5-ED	AC200953	48	48
					SPBGSCSN4MD	77PH5-ED	AC178998	24	0
				SPBGSCCV57E	SPBGSCMAAMD	77PH-5ED	AC200995	24	24
					SPBGSCSN4MD	77PH5-ED	AC183124	0	0
				SPBGSCMAAMD	SPBGSCMA57E	77PH5-ED	AC200974	192	192
					SPBGSCWV57E	77PH-5EDG1	AC201002	96	120
					TRYNNCA85E	77PH-5ED	AC204850	0	24
					UNINSCMA42E	77PH-5ED	AC200996	24	48
				SPBGSCMA57E	SPBGSCSN4MD	77PH5-ED	AC180255	0	0
		SPBGSCSN4MD	SPBGSCWV57E	77PH-5EDG1	AC188290	0	0		
TEM		CHTNSCDT60T	CHTNSCPSQMD	77DF4-TDCM2ORIG	AC196047	24	24		
		CLMASCMI1MD	CLMASCMA60T	77DF-4TDCM2ORIG	AC190525	24	24		
			CLMASCMA60T	77DF-4TDCM2ORIG	AC190526	24	24		
			FLRNSCMA60T	FLRNSCMCXMD	77DF4-TDCM2ORIG	AC190528	24	24	
SE	MCI	GNVLSADBMMD	GNVLSCDT60T	77DF-4TD	AC190529	24	24		
		BCRTFLBTDS0	BCRTFLYR1MD	77PH5-ED	AC180842	288	288		
		BCRTFLMADS1	BCRTFLYR1MD	77PH5-ED	AC176751	360	360		
		BCRTFLSADS0	BCRTFLYR1MD	77PH5-ED	AC180843	216	216		
		BCRTFLYR1MD	BYBHFLMACG0	77PH-5ED	AC186213	168	168		
			BYBHFLMADS0	77PH-5ED	AC186214	0	0		
			DLBHFLKP49E	77PH-5ED	AC182536	96	168		
			DLBHFLMA27E	77PH-5ED	AC184560	144	144		
			DRBHFLMADS0	77PH-5ED	AC175663	192	192		
			BLGLFLMADS0	WPBHFLTK1MD	77PH5-ED	AC176371	24	48	
			COCYFL134MD	FTLDFLWDS0	77PH-5ED	AC186293	96	120	
				HLWDFLHA45E	77PH-5ED	AC177528	72	96	
				HLWDFLPEDSO	77PH-5ED	AC179611	360	360	
				HLWDFLWDS0	77PH-5ED	AC175654	288	288	
				FTLDFLCR56E	FTLDFLEB1MD	77PH5-ED	AC174803	192	192
				FTLDFLCYDS0	FTLDFLEB1MD	77PH5-TD	AC202200	0	240
					FTLDFLEB1MD	77PH5-ED	AC177540	288	288
				FTLDFLEB1MD	FTLDFLJADS0	77PH-5ED	AC176307	312	312
					FTLDFLMRDS0	77PH-5ED	AC176195	408	408
					FTLDFLOADS0	77PH-5ED	AC174804	264	264
			FTLDFLPLCG0	77PH-5ED	AC175661	0	0		
			FTLDFLPLDS0	77PH-5ED	AC184362	168	168		
			FTLDFLSGDS0	77PH-5ED	AC179605	72	72		
			FTLDFLSUDS0	77PH-5ED	AC184368	0	0		
			FTLDFLSU74E	77PH-5ED	AC179607	168	144		
			HLWDFLWDS0	77PH-5ED	AC177551	192	192		

AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST			
SE	MCI	FTLDFLEB1MD	NDADFLGG04T	77PH-4TD	AC175527	768	768			
			PMBHFLCSDSO	77PH-5ED	AC176257	240	240			
			PMBHFLFECGO	77PH-5ED	AC179609	240	288			
			PMBHFLFEDSO	77PH-5ED	AC184382	0	0			
			PMBHFLMADSO	77PH-5ED	AC177558	288	384			
			PMBHFLTADSO	77PH-5ED	AC175641	120	168			
			FTRFLMACGO	FTRFLRR1MD	77PH5-ED	AC174805	120	192		
			FTRFLMADSO	FTRFLRR1MD	77PH5-ED	AC174991	0	0		
			FTRFLRR1MD	HTISFLMADSO	77PH-5ED	AC190322	24	48		
				PTSLFLMADSO	77PH-5ED	AC175664	72	96		
				PTSLFLSOCGO	77PH-5ED	AC186792	48	72		
				SBSTFLMADSO	77PH-5ED	AC188938	48	72		
				STRIFLMADSO	77PH-5ED	AC185997	120	168		
				VRBHFLMADSO	77PH-5ED	AC175639	96	120		
				WPBHFLGR02T	77PH-4TD	AC175526	384	384		
				HBSDFLMADSO	WPBHFLTK1MD	77PH5-ED	AC176156	24	48	
				JPTRFLMADSO	WPBHFLTK1MD	77PH5-ED	AC173396	0	0	
				JPTRFLMA74E	WPBHFLTK1MD	77PH5-ED	AC173359	120	216	
				PMBHFLDR1MD	WPBHFLGR02T	77PH-4TD	AC194272	432	432	
				WPBHFLANDSO	WPBHFLTK1MD	77PH5-ED	AC175666	0	240	
				WPBHFLAN83E	WPBHFLTK1MD	77PH5-ED	AC175665	192	240	
				WPBHFLCANMD	WPBHFLGR02T	77AF54TD	AC193318	672	672	
				WPBHFLGADSO	WPBHFLTK1MD	77PH5-ED	AC179685	216	216	
				WPBHFLGRDSO	WPBHFLTK1MD	77PH5-ED	AC182537	144	168	
				WPBHFLGR02T	WPBHFLTK1MD	77DF4-TDZ950	AC198361	48	48	
				WPBHFLHSDSO	WPBHFLTK1MD	77PH5-ED	AC180837	216	240	
				WPBHFLLE58E	WPBHFLTK1MD	77PH5-ED	AC177570	96	144	
				WPBHFLRBD0S	WPBHFLTK1MD	77PH5-ED	AC184361	0	0	
				WPBHFLR884E	WPBHFLTK1MD	77PH5-ED	AC177571	120	216	
				WPBHFLRPDSO	WPBHFLTK1MD	77PH5-ED	AC180839	120	168	
			SF	MCI	COCYFL134MD	WPBHFLGR02T	77DF4-TDCM2ORIG	AC190478	24	24
						MIAMFLHLDSO	77PH-5ED	AC174837	240	336
							MIAMFLNMDSO	77PH-5ED	AC186287	72
	MIAMFLNSDSO	77PH-5ED				AC179612	48	72		
	MIAMFLLOL68E	77PH-5ED				AC180834	72	120		
	NDADFLAC94E	77PH-5ED				AC182533	192	192		
	NDADFLBRDSO	77PH-5ED				AC199976	0	144		
	NDADFLBR62E	77PH-5ED				AC175660	144	144		
	NDADFLGGDSO	77PH-5ED				AC177537	120	144		
	NDADFLGG04T	77AF-4TD				AC175558	396	396		
		77DF-4TDZ950				AC198224	48	48		
		NDADFLOLD0S				77PH-5ED	AC200299	0	192	
		NDADFLLOL93E				77PH-5ED	AC182534	144	192	
	HMSTFLHMDSO	MIAMFLBB1MD				77PH5-ED	AC180831	0	0	
		MIAMFLGRHMD				77PH5-ED	AC197336	120	168	
	KYWSFLMADSO	MIAMFLBB1MD				77PH5-ED	AC180832	0	0	
		MIAMFLGRHMD				77PH5-ED	AC197334	96	168	
	MIAMFLAEDSO	MIAMFLBB1MD				77PH5-ED	AC175659	0	0	
		MIAMFLGRHMD				77PH5-ED	AC197335	240	288	
	MIAMFLALDSO	MIAMFLGRHMD				77PH5-ED	AC198128	0	0	
	MIAMFLAL63E	MIAMFLBB1MD	77PH5-ED	AC180833	0	0				
		MIAMFLGRHMD	77PH5-ED	AC197323	72	72				

AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST			
SF	MCI	MIAMFLAPDSO	MIAMFLBB1MD	77PH5-ED	AC177511	0	0			
			MIAMFLGRHMD	77PH5-ED	AC197325	72	72			
			MIAMFLBA85E	77PH5-ED	AC180829	0	0			
			MIAMFLGRHMD	77PH5-ED	AC197346	96	120			
			MIAMFLBB1MD	MIAMFLBCDSO	77PH-5ED	AC170869	0	0		
				MIAMFLBRDSO	77PH-5ED	AC176750	0	216		
				MIAMFLCADSO	77PH-5ED	AC175636	0	0		
				MIAMFLFLDSO	77PH-5ED	AC176314	0	0		
				MIAMFLGRDS1	77PH-5ED	AC175672	0	1		
				MIAMFLIC86E	77PH-5ED	AC179600	0	0		
				MIAMFLKEDSO	77PH-5ED	AC180828	0	0		
				MIAMFLME32E	77PH-5ED	AC179601	0	0		
				MIAMFLPB88E	77PH-5ED	AC179602	0	0		
				MIAMFLPLDSO	77PH-5ED	AC174836	0	0		
				MIAMFLRRDSO	77PH-5ED	AC175653	0	0		
				MIAMFLSH75E	77PH-5ED	AC175638	0	0		
				MIAMFLSO59E	77PH-5ED	AC175657	0	0		
				MIAMFLWDDSO	77PH-5ED	AC182532	0	0		
				MIAMFLWM26E	77PH-5ED	AC179603	0	0		
				NDADFLGG01T	77AF-4TD	AC170870	0	0		
				PRRNFLMADSO	77PH-5ED	AC175182	0	0		
				MIAMFLBCDSO	MIAMFLGRHMD	77PH5-ED	AC197344	48	72	
				MIAMFLBRDSO	MIAMFLGRHMD	77PH5-ED	AC197342	168	216	
				MIAMFLCADSO	MIAMFLGRHMD	77PH5-ED	AC197324	168	216	
				MIAMFLFLDSO	MIAMFLGRHMD	77PH5-ED	AC197337	72	72	
				MIAMFLGRDSO	MIAMFLGRHMD	77PH5-ED	AC197328	48	72	
				MIAMFLGRDS1	MIAMFLGRHMD	77PH5-ED	AC197331	336	384	
				MIAMFLGRHMD	MIAMFLIC86E	77PH-5ED	AC197326	144	168	
					MIAMFLKEDSO	77PH-5ED	AC197352	24	48	
					MIAMFLME32E	77PH-5ED	AC197340	48	96	
					MIAMFLPB88E	77PH-5ED	AC197341	96	192	
					MIAMFLPLDSO	77PH-5ED	AC197327	432	432	
					MIAMFLRRDSO	77PH-5ED	AC197329	216	336	
					MIAMFLSH75E	77PH-5ED	AC197330	96	96	
					MIAMFLSO59E	77PH-5ED	AC197348	144	192	
					MIAMFLWDDSO	77PH-5ED	AC197353	120	192	
					MIAMFLWM26E	77PH-5ED	AC197322	144	192	
					NDADFLGG01T	77AF-4TD	AC197319	912	912	
						77AF-4TDZ950	AC198198	48	48	
					PRRNFLMADSO	77PH-5ED	AC197349	264	312	
				TEM	COCYFL130MD	NDADFLGG04T	77DF-4TD	AC190515	72	72
					MIAMFLBBAMD	NDADFLGG01T	77DF-4TDCM2ORIG	AC190477	0	0
					MIAMFLBB8MD	MIAMFLGRDSO	77AF-5ED	AC195142	0	0
					MIAMFLGRDSO	MIAMFLGRJMD	77AF5-ED	AC197321	6	6
					MIAMFLGRJMD	NDADFLGG01T	77DF-4TDCM2ORIG	AC197811	24	24
TN	MCI	ADVLTXADS1	JCSNTN06AMD	77PH5-ED	AF150537	24	24			
		ATHNTNMADSO	KNVLTNMAX7X	77PH5-ED	AF149995	48	72			
			KNVLTN01AMD	77PH5-ED	AF137537	0	0			
		BLVRTNMADSO	JCSNTN06AMD	77PH5-ED	AF152836	0	24			
		BRFRNTXADS0	JCSNTN06AMD	77PH5-ED	AF150908	24	24			
		CHTGTNBRDSO	CHTGTN09AMD	77PH5-ED	MCI AF145241	192	192			
	CHTGTNDTDSO	CHTGTN09AMD	77PH5-ED	AF146089	120	120				

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AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST
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TN	MCI	CHTGTNMVDSO	CHTGTNO9AMD	77PH5-ED	AF145291	72	72
		CHTGTNNSDSO	CHTGTNO9AMD	77AF4-ED	AF145283	24	24
				77PH4-ED	AF152932	0	24
		CHTGTNNSDS1	CHTGTNO9AMD	77PH5-ED	MCI AF145307	216	216
		CHTGTNNS84T	CHTGTNO9AMD	77AF4-TDZORG	AF145230	360	360
				77DF4-TD	AF149331	24	24
				77PH4-OAZOTS	AF145290	0	0
			CHTGTNO90MD	77AF4-TD	AF147064	24	24
		CHTGTNRBDSO	CHTGTNO9AMD	77PH5-ED	AF135846	72	72
		CHTGTNRDOSO	CHTGTNO9AMD	77PH5-ED	MCI AF145306	72	72
		CHTGTNSEDSO	CHTGTNO9AMD	77PH5-ED	AF145367	48	48
		CHTGTNO9AMD	CLEVTNMADSO	77PH-5ED	AF145402	120	120
			JSPRTNMDSO	77PH-4ED	AF152930	0	24
			LFYTGAXADS0	77PH-5ED	AF145497	48	48
			OLTWTNXADS1	77PH-5ED	AF145486	48	48
			RNGLGAXBDS1	77PH-5ED	AF152935	0	48
		CKVLTNXA71T	NSVLTNO1AMD	77AF4-TD	AF141787	48	48
			SMYRTNO2AMD	77DF4-OAZOTSMCI	AF146925	24	24
				77PH4-TD	AF146926	48	48
		CLMATNMADSO	SMYRTNO2AMD	77PH5-ED	AF140865	72	72
		CLTNTNMADSO	KNVLTNMAX7X	77PH5-ED	AF150101	24	24
			KNVLTNO1AMD	77PH4-ED	AF143931	0	0
		CLVLTNMADSO	NSVLTNO1AMD	77PH5-ED	AF140705	120	120
		CNCRTNXADS2	KNVLTNMAX7X	77DF5-ED	AF149905	72	96
		CPHLTNXA96T	SMYRTNO2AMD	77DF4-TD	AF148628	48	48
		CRVLTNMADSO	MMPHTNMAMMD	77PH5-ED	AF152837	0	24
			MMPHTNOADM	77PH5-ED	AF144006	48	48
		CVTNTNMTDS1	MMPHTNBABMD	77PH5-ED	AF144018	24	24
		DKSNTNMTDSO	NSVLTNO1AMD	77PH5-ED	AF134306	72	72
		DYBGTNMADSO	JCSNTNO6AMD	77PH5-ED	AF132848	48	48
		FKLNTNMADSO	NSVLTNBWBMD	771H5-ED	AF152689	0	96
			NSVLTNO1AMD	771H5-ED	AF133086	96	120
		GALLTNMADSO	NSVLTNO1AMD	77PH5-ED	AF140475	48	48
		GOVLTNMACGO	NSVLTNO1AMD	77PH5-ED	AF134589	48	96
		GTBGTNMTDSO	KNVLTNMAX7X	77PH5-ED	AF149936	24	24
			KNVLTNO1AMD	77PH5-ED	AF143386	0	0
		HCRDTNXADS1	KNVLTNMAX7X	77DF5-ED	AF150102	48	48
		HDVLTNMADSO	NSVLTNO1AMD	77PH5-ED	AF134213	72	120
		HMBLTNMADS1	JCSNTNO60MD	77PH5-ED	AF147776	24	24
		JCSNTNMADSO	JCSNTNO6AMD	77PH4-TD	AF141003	144	144
		JCSNTNMA84T	JCSNTNO6AMD	77AF4-TD	AF141774	264	264
				77DF4-TD	AF149403	24	24
		JCSNTNNSDSO	JCSNTNO6AMD	77PH5-ED	AF133798	96	96
		JCSNTNO6AMD	MMPHTNMA84T	77AF-4TD	AF149316	24	24
				77PH-4TDZORG	AF142891	96	96
			PARSTNMADS1	77PH-5ED	AF139036	24	24
			PRSTNXADS1	77PH-5ED	AF150665	24	24
			RPLYTNMADSO	77PH-5ED	AF152842	0	24
			SVNHTNMTDSO	77PH-5ED	AF133809	24	24
			UNCYTNMADSO	77PH-5ED	AF133799	24	24
		JFCYTNMADS1	KNVLTNMAX7X	77DF5-ED	AF149920	48	48
			KNVLTNO1AMD	77DF5-ED	AF147371	0	0



AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST
TN	MCI	KGNTNMDSO	KNVLTNMAX7X	77PH5-ED	AF150100	24	24
			KNVLTN01AMD	77PH5-ED	AF143941	0	0
		KNVLTNBEDSO	KNVLTNMAX7X	77PH5-ED	AF149927	96	96
			KNVLTN01AMD	77PH5-ED	AF135778	0	0
		KNVLTNFCDSO	KNVLTNMAX7X	77DF5-ED	AF149918	72	72
			KNVLTN01AMD	77DF5-ED	AF138818	0	0
		KNVLTNMADS1	KNVLTNMAX7X	77PH5-EDZORG	AF149919	288	288
			KNVLTN01AMD	77PH5-EDZORG	AF135227	0	0
		KNVLTNMAX7X	KNVLTNMA84T	77AF-4TDZORG	AF149904	384	384
				77DF-4TD	AF149992	24	24
			KNVLTNWHDSO	77PH-5ED	AF149961	240	240
			KNVLTNWH93T	77DF-4TD	AF149993	24	24
			KNVLTNYHCGO	77PH-5ED	AF149937	48	48
			LFLTNNMADSO	77PH-5ED	AF149910	48	48
			LNCYTNMADSO	77PH-5ED	AF149908	24	24
			MAVLTNMADSO	77PH-5ED	AF149940	120	120
			MRTWTNMADSO	77PH-5ED	AF149941	48	48
			MSCTTNMDSO	77PH-5ED	AF149962	24	24
			NWPTTNMDSO	77PH-5ED	AF149909	24	24
			NWTZTNXADSO	77PH-5ED	AF149956	24	24
			OKRGTNMDSO	77PH-5ED	AF149921	72	72
			POWLTNXADSO	77PH-5ED	AF150098	48	120
			SVVLTNMDSO	77PH-5ED	AF149938	72	72
		KNVLTNMA84T	KNVLTN01AMD	77AF4-TDZORG	AF134899	0	0
				77DF4-TD	AF149116	0	0
				77PH4-OAZOTS	AF135862	0	0
		KNVLTNWHDSO	KNVLTN01AMD	77PH5-ED	AF141141	0	0
		KNVLTNWH93T	KNVLTN01AMD	77AF4-TDZORG	AF135657	0	0
				77DF4-TDZ950	AF149318	0	0
		KNVLTNYHCGO	KNVLTN01AMD	77PH5-ED	AF137524	0	0
		KNVLTN01AMD	LFLTNNMADSO	77PH-5ED	AF135636	0	0
			LNCYTNMADSO	77PH-5ED	AF135664	0	0
			MAVLTNMADSO	77PH-5ED	AF135620	0	0
			OKRGTNMDSO	77PH-5ED	AF132720	0	0
			SVVLTNMDSO	77PH-5ED	AF137534	0	0
		LBNTNMADSO	SMYRTN02AMD	77PH5-ED	AF142865	72	72
		LRTTTNXA94T	SMYRTN02AMD	77AF4-TDORIG	AF146202	24	24
		LVRGTNXADS2	SMYRTN02AMD	77PH5-ED	AF144318	96	96
		LWBGTNMADSO	SMYRTN02AMD	77PH5-ED	AF145971	24	24
		MGTNTNXADSO	MMPHTNBABMD	77PH5-ED	AF145401	72	72
		MMPHTNBABMD	MMPHTNBADSO	77PH-5ED	AF143895	288	288
		MMPHTNCKDSO	MMPHTNCTBMD	77PH5-ED	AF143552	48	48
			MMPHTNAMMD	77PH5-ED	AF152920	0	24
		MMPHTNCTBMD	MMPHTNCTDSO	77PH-5ED	AF143699	120	120
			MMPHTNMA84T	77AF-4TD	AF144099	480	480
		MMPHTNCTDSO	MMPHTN32AMD	77PH5-ED	AF140739	120	120
		MMPHTNELBMD	MMPHTNELDSO	77PH-5ED	AF143926	336	336
			MMPHTNGTDSO	77PH-5ED	AF143925	288	288
		MMPHTNFRDSO	MMPHTNAMMD	77PH5-ED	AF142935	48	48
		MMPHTNMACGO	MMPHTNAMMD	77PH5-ED	AF142964	96	96
		MMPHTNMACG1	MMPHTNAMMD	77DF5-ED	AF143039	96	96
		MMPHTNMADSO	MMPHTNAMMD	77PH5-ED	AF142971	48	72

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AREA	ACNA	LOC_A	LOC_Z	TRK_TYPE	TGSN	TIS	98FCST
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TN	MCI	MMPHTNMAMMD	MMPHTNMTCGO	77PH-5ED	AF142937	96	96
			MMPHTNSTDSO	77PH-5ED	AF143793	72	72
		MMPHTNOADM	MMPHTNOADS1	77PH-5ED	AF144024	384	384
			OLBRMSXADSO	77PH-5ED	AF145302	0	0
		MMPHTNSLBMD	MMPHTNSLDSO	77PH-5ED	AF143934	192	216
			MMPHTNWCXGO	77PH-5ED	AF144003	48	48
		MMRLTNXAAMD	MNCHTNMADSO	77DF-5ED	AF146280	24	24
			TLLHTNMADSO	77DF-5ED	AF146281	48	48
		MRBOTNMADSO	SMYRTNO2AMD	77PH5-ED	AF135244	144	144
		MTJLTNXADS2	NSVLTNDOBMD	77PH5-ED	AF152682	0	48
			NSVLTNO1AMD	77PH5-ED	AF144317	48	72
		NSVLTNAPBMD	NSVLTNAPDSO	77PH-5ED	AF152662	0	120
		NSVLTNAPDSO	NSVLTNO1AMD	77PH5-ED	AF136727	120	120
		NSVLTNBVDSO	NSVLTNO1AMD	77PH5-ED	AF134475	72	96
		NSVLTNBWBMD	NSVLTNBWDSO	77PH-5ED	AF152658	0	144
		NSVLTNBWDSO	NSVLTNO1AMD	77PH5-ED	AF134256	144	192
		NSVLTNCHBMD	NSVLTNCHDSO	77PH-5ED	AF151733	216	216
		NSVLTNCHDSO	NSVLTNO1AMD	77PH5-ED	AF134252	0	0
		NSVLTNDOBMD	NSVLTNDOOSO	77PH-5ED	AF152668	0	216
		NSVLTNDOOSO	NSVLTNO1AMD	77PH5-ED	AF134227	216	240
		NSVLTNINCGO	NSVLTNO1AMD	77PH5-ED	AF134226	72	96
		NSVLTNMCDSO	NSVLTNO1AMD	77PH5-ED	AF134553	72	72
		NSVLTNMTDS1	NSVLTNMTXOX	77PH5-ED	AF151772	96	96
			NSVLTNO1AMD	77PH5-ED	AF134259	0	0
		NSVLTNMTDS3	NSVLTNMTXOX	77PH5-ED	AF151775	360	360
		NSVLTNMT84T	NSVLTNO1AMD	77AF4-TD	AF141768	600	600
				77DF4-TD	AF149314	24	24
			SMYRTNO2AMD	77AF4-TD	AF141778	360	360
		NSVLTNSTBMD	NSVLTNSTDSO	77PH-5ED	AF151734	216	216
		NSVLTNSTDSO	NSVLTNO1AMD	77PH5-ED	AF124546	0	0
		NSVLTNUUNDSO	NSVLTNO1AMD	77PH5-ED	AF134225	168	192
		NSVLTNWCDSDO	NSVLTNO1AMD	77PH5-ED	AF143977	24	24
		NSVLTNWMDSO	NSVLTNO1AMD	77PH5-ED	AF140866	72	72
		NSVLTNWM92T	NSVLTNO1AMD	77AF4-TD	AF141766	528	528
				77DF4-TD	AF149315	24	24
			NSVLTNO10MD	77DF4-TD	AF150104	24	24
		NSVLTNO1AMD	OZGVKYESDSO	77PH5-ED	AF140000	48	48
			SPFDTNMADSO	77PH5-ED	AF143976	48	48
		SHVLTNMADSO	SMYRTNO2AMD	77PH5-ED	AF143978	48	48
		SMVLTNXADS1	SMYRTNO2AMD	77PH5-ED	AF146211	24	24
		SMYRTNMADSO	SMYRTNO2AMD	77PH5-ED	AF135248	48	48
	TEM	CKVLTNXA71T	NSVLTNO10MD	77AF4-TDCM2ORIG	AF144416	24	24
		CPHLTNXA96T	SMYRTNMAAMD	77DF4-TD	AF148707	24	24
		GNBOTNXA95T	SMYRTNO2BMD	77AF4-TD	AF147067	24	24
		JCSNTNMA84T	JCSNTNO60MD	77AF4-TDCM2ORIG	AF144117	24	24
		KNVLTNMAXYX	KNVLTNMA84T	77AF-4TDCM2ORIG	AF149967	24	24
			KNVLTNWH93T	77AF-4TDCM2ORIG	AF149977	24	24
		KNVLTNWH93T	KNVLTNO10MD	77AF4-TDCM2ORIG	AF144130	0	24
		MMPHTNCTBMD	MMPHTNMA84T	77DF-4TDCM2ZORG	AF145475	24	24
		MMRLTNXA94T	SMYRTNO2BMD	77AF4-TDCM2ORIG	AF144540	24	24
		NSVLTNMT84T	NSVLTNO10MD	77AF4-TDCM2ORIG	AF144127	24	24
		NSVLTNWM92T	NSVLTNO10MD	77AF4-TDCM2ORIG	AF144126	24	24

TRUNK GROUP PERFORMANCE

<b>Function:</b>	Interconnection Trunk Performance
<b>Measurement Overview:</b>	In order to ensure quality service to the CLECs as well as protect the integrity of the BST network, BST collects traffic performance data on the trunk groups interconnected with the CLECs as well as all other trunk groups in the BST network.
<b>Measurement Methodology:</b>	<p>1. <b>Trunk Group Service Summary:</b> Contains the service performance results of all final trunk groups (both BST administered trunk groups and CLEC administered trunk groups) between Point of Termination (POT) and BST tandems or end offices, by region, by CLEC, CLEC Aggregate, and BST aggregate.</p> <p>Specifically measures the total number of trunk groups, number of trunk groups measured, and the number of trunk groups which exceed the blocking threshold during their busy hours.</p> <p>2. <b>Trunk Group Service Detail:</b> Provides a detailed list of all final trunk groups between POTs and BST end offices or tandems (A-end and Z-end for BST Local trunks) including the actual blocking performance when blocking exceeds the measured blocking threshold. The blocking performance includes the observed blocking number for a particular Trunk Group Serial Number (TGSN).</p> <p>Blocking thresholds for all trunk groups are 3%, except BST CTTG, which is 2%.</p> <p>Measured Blocking = [(Total number of Blocked Calls)/(Total number of Attempted Calls)] X 100</p>

<b>Reporting Dimensions:</b>	<b>Excluded Situations:</b>
<ul style="list-style-type: none"> <li>● BST Trunk Group Aggregate</li> <li>● CLEC Trunk Group Aggregate</li> <li>● CLEC Trunk Group Specific</li> <li>● State and Region Level</li> </ul>	<ul style="list-style-type: none"> <li>● Trunk Groups for which valid traffic data measurement unavailable.</li> </ul>
<b>Data Retained Relating to CLEC Experience:</b>	<b>Data Retained Relating to BST Performance:</b>
<ul style="list-style-type: none"> <li>● Report Month</li> <li>● Total Trunk Groups</li> <li>● Total Trunk Group for which data available</li> <li>● Threshold exceptions</li> <li>● Exceptions percent of the total</li> <li>● State and Region Level</li> <li>● Exception Trunk detail</li> </ul>	<ul style="list-style-type: none"> <li>● Report Month</li> <li>● Total Trunk Groups</li> <li>● Total Trunk Group for which data available</li> <li>● Threshold exceptions</li> <li>● Exceptions percent of the total</li> <li>● State and Region Level</li> <li>● Exception Trunk detail</li> </ul>





TRUNK GROUP PERFORMANCE

**Trunking Definitions**

Field Name	Description	Data Type
Switch	Identifier for the BellSouth end of the Trunk Group. Part of 37 character Common Language Location Identifier(CLLI) code.	AlphaNum(11)
POT	Identifier for the CLEC Point of Termination(POT)of the Trunk Group. Part of 37 character Common Location Language Identifier(CLLI) code.	AlphaNum(11)
TGSN	Unique trunk group identifier. (Trunk Group Serial Number)	AlphaNum(8)
TANDEM	Identifier for the BellSouth Tandem end of the Trunk Group. Part of 37 character Common Language Location Identifier(CLLI) code.	AlphaNum(11)
END OFFICE	Identifier for the BellSouth End Office of the Trunk Group. Part of 37 character Common Location Language Identifier(CLLI) code.	AlphaNum(11)
A-END	Identifier for the BellSouth Originating/Low Alpha end of the Trunk Group. Part of 37 character Common Language Location Identifier(CLLI) code.	AlphaNum(11)
Z-END	Identifier for the BellSouth Terminating/High Alpha end of the Trunk Group. Part of 37 character Common Location Language Identifier(CLLI) code.	AlphaNum(11)
DESCRPT	Describes function/operation of the Trunk Group. Part of 37 character Common Language Location Identifier(CLLI) code.	AlphaNum(15)
OBSVD BLKG	Blocking ratio determined from traffic data measurement.(Total number of calls blocked/Total number of calls attempted)	Numeric
HR	Time of day when the maximum observed blocking was recorded.	Numeric

TRUNK GROUP PERFORMANCE

Trunking Definitions (Continued)

Field Name	Description	Data Type
TKS	Total number of trunks in service in a trunk group	Numeric
VAL DAYS	Total number of valid days of measurement	Numeric
NBR RPTS	Number of consecutive monthly reports for which the trunk group exceeded the measured blocking threshold	Numeric(2)
RMKS	Cause of blocking and/or release plan	AlphaNum

**Trunk Group Performance**

REPORT: TRUNK GROUP SERVICE (SUMMARY)  
 REPORT PERIOD: 05/25/1998 - 06/19/199  
 Attachment 1a WNS-2

	AL	GA	KY	LA	MS	NC	NF	SC	SF	TN	REGION TOTAL
<b>CLEC 1</b>											
BST ADMINISTERED											
- TOTAL TRUNK GROUPS											
- TRK GRPS MEAS/PROC											
- TOT GRPS > 3% OBSERVED BLOCKING											
<b>CLEC 1<sup>1</sup> ADMINISTERED<sup>2</sup></b>											
BST ADMINISTERED											
- TOTAL TRUNK GROUPS											
- TRK GRPS MEAS/PROC											
- TOT GRPS > 3% OBSERVED BLOCKING											
<b>CLEC AGGREGATE</b>											
BST ADMINISTERED											
- TOTAL TRUNK GROUPS	13	38	8	6	1	16	18	5	16	27	148
- TRK GRPS MEAS/PROC	13	38	8	6	1	15	18	5	16	26	146
- TOT GRPS > 3% OBSERVED BLOCKING	2	1	0	0	0	0	1	0	0	0	4
<b>CLEC ADMINISTERED<sup>2</sup></b>											
BST ADMINISTERED											
- TOTAL TRUNK GROUPS	56	165	24	33	9	126	39	21	57	109	639
- TRK GRPS MEAS/PROC	56	155	24	33	9	113	27	20	57	106	600
- TOT GRPS > 3% OBSERVED BLOCKING	1	4	1	0	1	2	1	0	4	4	18
<b>BELLSOUTH COMMON TRANSPORT TRUNK GROUP (CTTG)</b>											
BST ADMINISTERED											
- TOTAL TRUNK GROUPS	376	278	182	501	379	420	356	220	291	510	3513
- TRK GRPS MEAS/PROC	371	275	182	501	379	420	355	220	291	510	3504
- TOT GRPS > 2% OBSERVED BLOCKING	2	5	0	4	5	0	2	1	0	2	21
<b>BELLSOUTH LOCAL NETWORK</b>											
BST ADMINISTERED											
- TOTAL TRUNK GROUPS	332	900	155	418	286	551	286	271	352	344	3895
- TRK GRPS MEAS/PROC	329	897	155	418	286	549	283	270	348	344	3879
- TOT GRPS > 3% OBSERVED BLOCKING	8	30	0	3	3	2	4	1	8	0	59

Note 1: CLEC 1 information will be populated & distributed on an individual CLEC basis.

Note 2: BST does not have all the traffic data measurement from CLEC switches to accurately compute the blocking on CLEC administered trunk groups. In this case inferred blocking is determined from the traffic usage collected on BST switches.